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MEMORANDUM REPORT ARBRL-MR-02813

EXPERIMENTAL MEASUREMENTS IN THE TURBULENT
BOUNDARY LAYER OF A YAWED, SPINNING
OGIVE-CYLINDER BODY OF REVOLUTION AT
MACH 3.0. PART II. DATA TABULATION

Lyle D. Kayser
Walter B. Sturek

March 1978

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I. INTRODUCTION

The purpose of this report is to provide a data tabulation for the experiment described in reference 1. These data were obtained in the tripped turbulent boundary layer on a yawed, spinning slender body of revolution at Mach 3 for angles of attack up to 6.3 degrees. The data consist of boundary layer profile characteristics and wall shear stress. Integral properties of the boundary layer have been computed using the profile data. A brief description of the experiment is given here; however, the reader is directed to reference 1 for a more thorough presentation.

II. EXPERIMENT

All experimental results presented in this report were obtained on the secant-ogive-cylinder model (SOC) shown in Figure 1. Data were acquired at Mach 3.0 and angles of attack up to 6.3 degrees. Surveys were made at three longitudinal stations and at numerous circumferential positions on the model at spin rates of 0 and 333 rps. The spin rate of 333 rps corresponds to a dimensionless spin rate ($\rho d/V$) of 0.19. The tunnel supply conditions provided a Reynolds number of 7.3×10^6 based on model length.

The primary measurements were impact probe pressures in the bound boundary layer. Local Mach numbers within the boundary layer were determined from the Rayleigh pitot formula assuming a constant static pressure across the boundary layer. The data in this report were reduced using the experimental values of wall static pressure obtained by Reklis². The temperature distribution in the boundary layer was found by assuming the Crocco linear total temperature-velocity relationship:

$$\frac{T_t - T_w}{T_o - T_w} = \frac{u}{u_e}$$

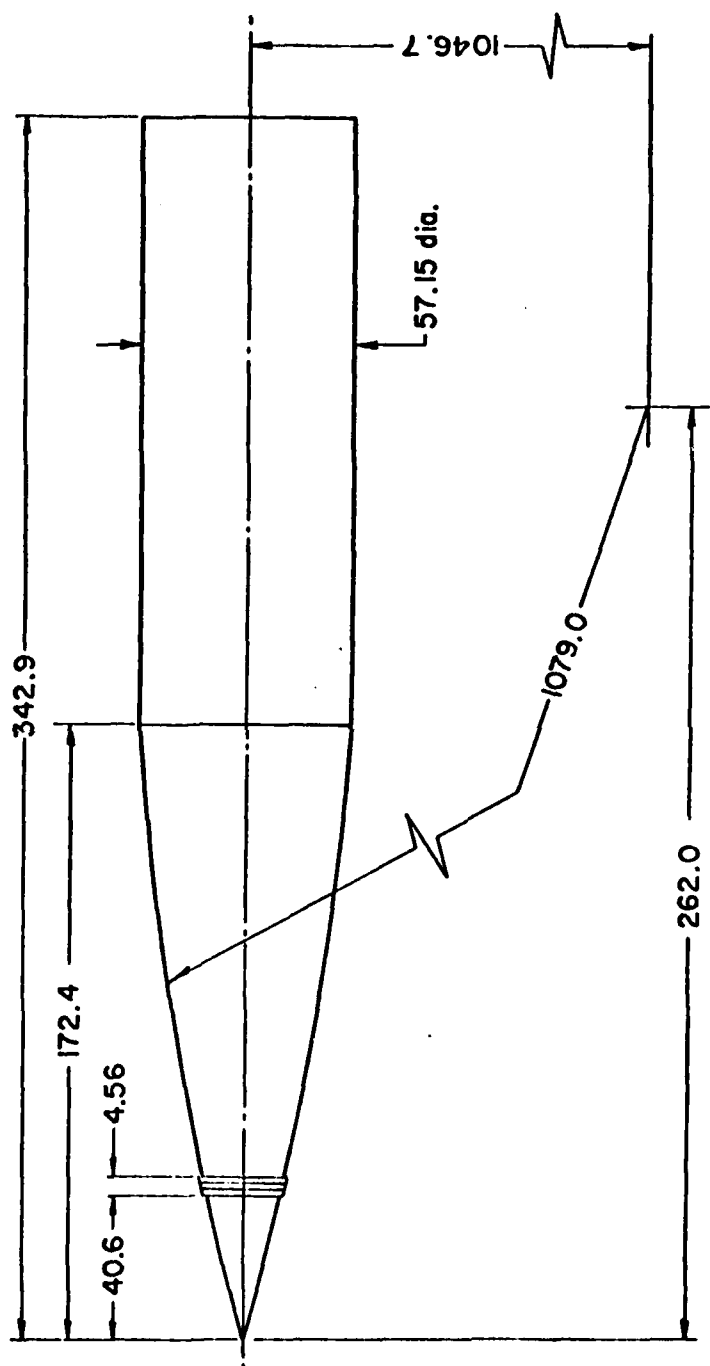
The wall temperature was assumed equal to the adiabatic wall temperature for turbulent flow.

1. Lyle D. Kayser and Walter B. Sturek, "Experimental Measurements in the Turbulent Boundary Layer of a Yawed, Spinning Ogive-Cylinder Body of Revolution at Mach 3.0. Part I. Description of the Experiment and Data Analysis," BRL Memorandum Report to be published.
2. Robert P. Reklis and Walter B. Sturek, "Measurements of Wall Static Pressure on Slender Bodies of Revolution at Angle of Attack," BRL Memorandum Report to be published.

III. DISCUSSION

A summary of test conditions for the secant-ogive-cylinder boundary layer surveys is shown in Table I and a complete set of tabulated data can be found in Table II. The Preston tube skin friction data can be found in Table III.

To help clarify the data, the orientation of the probe with respect to the model must be known. The circumferential, or azimuthal, position on the model of $\phi = 0$ degrees is defined as the most windward ray on the model when the model is at some angle of attack. Looking upstream at the model base, with the model at positive angle of attack, $\phi = 0$ is on the bottom (6 o'clock); $\phi = 90$ degrees is to the left (9 o'clock); $\phi = 180$ degrees is on the top (12 o'clock); and $\phi = 270$ degrees is to the right (3 o'clock). A clockwise spin is positive; therefore, a positive spin gives a surface velocity in the same direction as cross flow on the left side of the model. On the right side, cross flow and model surface velocities are in the opposite direction. The model coordinate system is shown in Figure 2 with the arrows indicating positive directions.



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Figure 1. Model Geometry

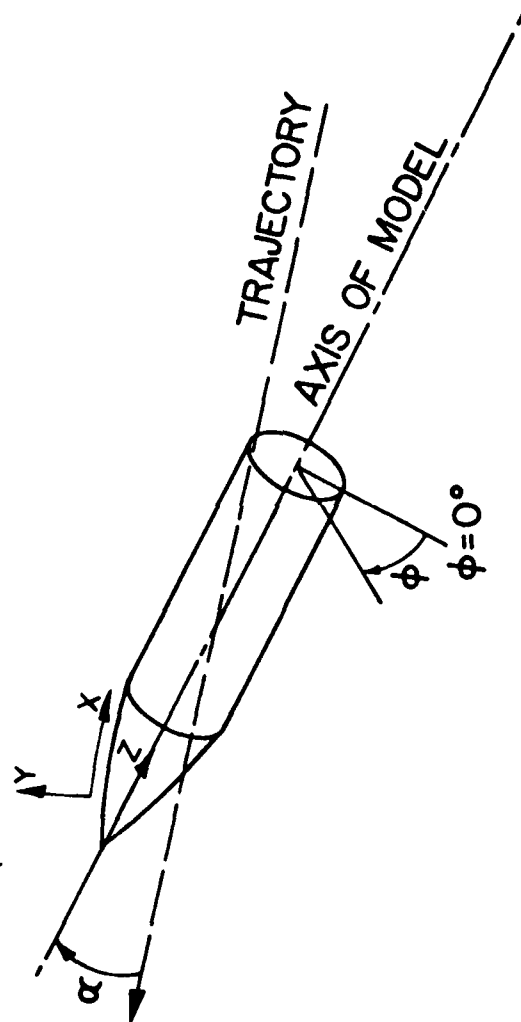


Figure 2. Model Coordinate System

Table I. Summary of SOC Test Conditions

$Z/D = 3.33$					
ϕ	$\alpha = 0$	$\alpha = 2.1$	$\alpha = 4.2$	$\alpha = 5.3$	$\alpha = 6.3$
0	0	0,333*	0,333		0,333
30	0	0,333	0,333		333
60	0	0,333	0,333		0,333
90	0	0,333	0,333		
120		0,333	0,333	0,333	0,333
150		0,333	0,333	0,333	0,333
170		0,333	0,333	0,333	0,333
180		0,333	0,333	0,333	0,333
190		0,333	0,333	0,333	0,333
210		0,333	0,333	0,333	0,333
240		0,333	0,333	0,333	0,333
270		0,333	0,333		
300		0,333	0,333		0,333
330		0,333	0,333		0,333
$Z/D = 4.44$					
0	0	0,333	0,333		0,333
30	0	0,333	0,333		0,333
60	0	0,333	0,333		0,333
90	0	0,333	0,333		
120		0,333	0,333	0,333	0,333
150		0,333	0,333	0,333	0,333
170		0,333	0,333	0,333	0,333
180		0,333	0,333	0,333	0,333
190		0,333	0,333	0,333	0,333
210		0	0,333	0,333	0,333
240		0,333	0,333	0,333	0,333
270		0,333	0,333		
300		0,333	0,333		0,333
330		0,333	0,333		0

Table I. Summary of SOC Test Conditions (Continued)

ϕ	$\alpha = 0$	$\alpha = 2.1$	$\alpha = 4.2$	$\alpha = 5.3$	$\alpha = 6.3$
$Z/D = 5.56$					
0	0	0,333*	0,333		0,333
30	0	0,333	0,333		0,333
60	0	0,333	0,333		0,333
90	0	0,333	0,333		
120		0,333	0,333		0,333
150		0,333	0,333	0,333	0,333
170		0,333	0,333	0,333	0,333
180		0,333	0,333		0,333
190		0,333	0,333	0,333	0,333
210		0,333	0,333	0,333	0,333
240		0,333	0,333	0,333	0,333
270		0	0,333		
300		0,333	0,333		0,333
330		0,333	0,333		0,333

* Model Spin Rate, 0 and 333 rps, 333 rps = 20,000 rpm

Table II. Turbulent Boundary Layer Data on a Secant-Ogive-Cylinder Model, Mach 3.0, With and Without Spin

The order of tabulated boundary layer profile data is as follows.

<u>Z/D</u>	<u>α</u>	<u>Page</u>
3.33	0 -----	15
	2.1 -----	17
	4.2 -----	31
	5.3 -----	45
	6.3 -----	52
4.44	0 -----	64
	2.1 -----	66
	4.2 -----	80
	5.3 -----	94
	6.3 -----	101
5.56	0 -----	113
	2.1 -----	115
	4.2 -----	129
	5.3 -----	143
	6.3 -----	148

Within each angle-of-attack group, data are in order of increasing roll angle (ϕ) with spin and no-spin runs together.

Computer Tabulation Nomenclature

Mach	tunnel free-stream Mach number
PO	tunnel supply pressure, kPa
TO	tunnel supply temperature, deg K
ALPHA	angle of attack, deg.
Z/D	distance in calibers from nose
PHI	circumferential position, degrees
RPM	model spin rate, rpm
PW	model wall pressure at point of survey, kPa
REL	Reynolds number based on model length
Y	distance normal to model surface, cm
TT	local total temperature, deg. K
T	local static temperature, deg. K
M	local Mach number
U	local velocity, m/sec
RHO	local density, m/sec
DEL	total boundary layer thickness, cm
DELU	velocity thickness, cm
DEL*	displacement thickness, cm
THETA	momentum thickness, cm
H	boundary layer shape parameter, δ^*/θ
UE	velocity at edge of boundary layer, m/sec
RHOE	density at edge of boundary layer, kg/m ³

MACH = 3.00	P0 = 295.0 KPA	T0 = 307.5 K	MACH = 3.00	P0 = 298.6 KPA	T0 = 307.8 K
ALPHA = 0.00	Z/D = 3.33	PHI = 0.00	ALPHA = 0.00	Z/D = 3.33	PHI = 30.00
RPM = 0.00	PW = 6.51 KPA	REL = 7314583.	RPM = 0.00	PW = 6.50 KPA	REL = 7272227.
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9202	0.9202	0.0000	0.0000	0.3649
0.0337	0.9640	0.7732	1.1021	0.5327	0.4332
0.0690	0.9696	0.7240	1.1842	0.5647	0.4451
0.0895	0.9738	0.6812	1.4655	0.6451	0.4826
0.1075	0.9757	0.6621	1.5388	0.6885	0.5120
0.1333	0.9787	0.6303	1.6624	0.7257	0.5413
0.1514	0.9801	0.6128	1.7311	0.7452	0.5573
0.1774	0.9822	0.5884	1.8294	0.7716	0.5932
0.1932	0.9834	0.5727	1.8538	0.7881	0.6282
0.2170	0.9857	0.5493	1.9928	0.8121	0.6531
0.2514	0.9878	0.5243	2.1022	0.8368	0.6715
0.2832	0.9887	0.5093	2.1693	0.8512	0.7017
0.3459	0.9903	0.4874	2.2714	0.8718	0.7161
0.3874	0.9910	0.4801	2.3066	0.8787	0.7513
0.4438	0.9914	0.4691	2.3593	0.8885	0.7720
0.4670	0.9922	0.4610	2.4004	0.9057	0.7965
0.5192	0.9933	0.4504	2.4550	0.9264	0.8142
0.5694	0.9940	0.4392	2.5133	0.9156	0.8370
0.6256	0.9950	0.4265	2.5798	0.9264	0.8612
0.6694	0.9963	0.4157	2.6429	0.9363	0.8840
0.7078	0.9968	0.4081	2.6855	0.9427	0.9115
0.7574	0.9980	0.3956	2.7590	0.9535	0.9284
0.8265	0.9989	0.3820	2.8412	0.9648	0.9546
0.8940	0.9996	0.3727	2.9000	0.9726	0.9735
1.0756	1.0013	0.3515	3.0406	0.9901	0.9906
1.1734	1.0022	0.3441	3.0925	0.9961	0.9964
1.2715	1.0026	0.3398	3.1232	0.9996	0.9998
1.3698	1.0025	0.3382	3.1345	1.0009	1.0000
1.4596	1.0029	0.3375	3.1365	1.0011	0.9943
1.5641	1.0031	0.3378	3.1378	1.0013	0.9949
1.6686	1.0032	0.3378	3.1382	1.0013	0.9950
1.7751	1.0034	0.3377	3.1392	1.0014	0.9955

MACH = 3.00	P0 = 295.0 KPA	T0 = 307.5 K	MACH = 3.00	P0 = 298.6 KPA	T0 = 307.8 K
ALPHA = 0.00	Z/D = 3.33	PHI = 0.00	ALPHA = 0.00	Z/D = 3.33	PHI = 30.00
RPM = 0.00	PW = 6.51 KPA	REL = 7314583.	RPM = 0.00	PW = 6.50 KPA	REL = 7272227.
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9203	0.9203	0.0000	0.0000	0.3649
0.0335	0.9641	0.7756	1.1021	0.5327	0.4332
0.0483	0.9666	0.7545	1.1842	0.5647	0.4451
0.0737	0.9733	0.6945	1.4152	0.6474	0.4826
0.0916	0.9767	0.6562	1.5625	0.6948	0.5120
0.1325	0.9804	0.6210	1.7009	0.7355	0.5413
0.1475	0.9817	0.6030	1.7720	0.7352	0.5573
0.1892	0.9845	0.5666	1.9212	0.7936	0.5932
0.2259	0.9868	0.5348	2.0560	0.8252	0.6282
0.2737	0.9886	0.5146	2.1465	0.8450	0.6531
0.3131	0.9896	0.5004	2.2107	0.8583	0.6715
0.3685	0.9913	0.4789	2.3128	0.8784	0.7017
0.4410	0.9918	0.4693	2.3597	0.8871	0.7161
0.5055	0.9934	0.4472	2.4709	0.9069	0.7513
0.5567	0.9947	0.4355	2.5339	0.9175	0.7720
0.6327	0.9952	0.4218	2.6075	0.9293	0.7965
0.6895	0.9955	0.4126	2.6575	0.9370	0.8142
0.7364	0.9964	0.4015	2.7222	0.9466	0.8370
0.7966	0.9972	0.3902	2.7889	0.9561	0.8612
0.8354	0.9978	0.3801	2.8503	0.9645	0.8840
0.9015	0.9987	0.3687	2.9229	0.9740	0.9115
0.9491	0.9991	0.3620	2.9664	0.9795	0.9284
1.0245	0.9996	0.3520	3.0327	0.9875	0.9546
1.0915	0.9998	0.3450	3.0807	0.9932	0.9735
1.1864	1.0000	0.3391	3.1218	0.9979	0.9906
1.2870	1.0007	0.3373	3.1358	0.9994	0.9964
1.3763	1.0007	0.3368	3.1394	0.9998	0.9979
1.4860	1.0009	0.3366	3.1411	1.0000	0.9986
1.5815	1.0005	0.3363	3.1428	1.0002	0.9993

CEL = 0.2214	DELTA = 0.01394	THETA = 0.2196	CEL = 0.2222	DELTA = 0.01407	THETA = 0.2182
DELTA = 0.01394	THETA = 0.2196	RH3E = 3.005	DELTA = 0.01407	THETA = 0.2182	RH3E = 3.047
DELTA = 0.01394	THETA = 0.2196	RH3E = 3.005	DELTA = 0.01407	THETA = 0.2182	RH3E = 3.047

MACH = 3.00				PO = 298.4 KPA				TO = 305.2 K			
ALPHA = 2.10				Z/D = 3.33				PHI = 30.			
RPM = 2000.				PW = 6.86 KPA				REL = 7340448.			
Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE
0.0000	0.9208	0.9208	0.0000	0.0000	0.3654	0.0000	0.9208	0.9208	0.0000	0.3654	0.3654
0.0446	0.9667	0.7507	1.1995	0.5723	0.4531	0.1088	0.9776	0.6435	1.6113	0.7117	0.5285
0.0684	0.9690	0.7322	1.2717	0.5991	0.4647	0.1331	0.9795	0.6227	1.6926	0.7354	0.5462
0.0832	0.9721	0.7052	1.3754	0.6359	0.4825	0.1545	0.9812	0.6025	1.7726	0.7576	0.5644
0.1012	0.9761	0.6616	1.5416	0.6904	0.5142	0.1815	0.9834	0.5759	1.8808	0.7859	0.5905
0.1311	0.9790	0.6300	1.6644	0.7273	0.5401	0.1942	0.9848	0.5585	1.9537	0.8039	0.6050
0.1611	0.9813	0.6059	1.7600	0.7542	0.5616	0.2246	0.9859	0.5435	2.0176	0.8190	0.6258
0.1791	0.9834	0.5786	1.8701	0.7832	0.5880	0.2591	0.9873	0.5231	2.1065	0.8389	0.6501
0.1912	0.9843	0.5645	1.9284	0.7978	0.6026	0.2810	0.9887	0.5064	2.1821	0.8550	0.6716
0.2214	0.9859	0.5465	2.0050	0.8161	0.6226	0.3375	0.9901	0.4871	2.2722	0.8732	0.6982
0.2455	0.9870	0.5290	2.0806	0.8333	0.6430	0.3973	0.9912	0.4714	2.3483	0.8877	0.7215
0.2952	0.9886	0.5110	2.1615	0.8508	0.6658	0.4796	0.9922	0.4580	2.4150	0.8998	0.7426
0.3354	0.9897	0.4925	2.2451	0.8679	0.6902	0.5365	0.9930	0.4454	2.4794	0.9111	0.7636
0.3850	0.9911	0.4766	2.3234	0.8831	0.7125	0.5720	0.9938	0.4347	2.5356	0.9205	0.7822
0.4564	0.9923	0.4584	2.4132	0.8996	0.7422	0.6231	0.9944	0.4247	2.5896	0.9293	0.8007
0.5161	0.9931	0.4445	2.4843	0.9120	0.7654	0.6649	0.9950	0.4164	2.6356	0.9365	0.8167
0.5565	0.9937	0.4377	2.5206	0.9181	0.7774	0.7131	0.9957	0.4052	2.6594	0.9461	0.8353
0.6567	0.9949	0.4237	2.5960	0.9303	0.8031	0.7646	0.9963	0.3966	2.7495	0.9534	0.8575
0.7276	0.9960	0.4033	2.7110	0.9479	0.8437	0.8296	0.9970	0.3857	2.8148	0.9626	0.8817
0.7945	0.9970	0.3878	2.8025	0.9609	0.8773	0.8882	0.9977	0.3745	2.8847	0.9719	0.9022
0.8486	0.9975	0.3808	2.8458	0.9668	0.8926	0.9502	0.9981	0.3646	2.9457	0.9798	0.9319
0.9164	0.9981	0.3735	2.8919	0.9729	0.9112	1.0027	0.9987	0.3583	2.9895	0.9853	0.9452
0.9647	0.9987	0.3642	2.9517	0.9806	0.9345	1.0728	0.9991	0.3516	3.0347	0.9907	0.9674
1.0262	0.9991	0.3552	3.0107	0.9879	0.9575	1.0843	0.9996	0.3446	3.0830	0.9964	0.9871
1.0781	0.9994	0.3495	3.0465	0.9922	0.9723	1.2976	0.9997	0.3418	3.1026	0.9987	0.9951
1.1255	0.9996	0.3463	3.0710	0.9931	0.9824	1.4134	0.9998	0.3406	3.1111	0.9996	0.9987
1.1662	0.9997	0.3453	3.0781	0.9959	0.9852	1.5193	0.9998	0.3403	3.1130	0.9999	0.9999
1.2712	0.9999	0.3415	3.1017	0.9986	0.9950	1.6459	1.0000	0.3402	3.1139	1.0000	0.9999
1.3951	0.9999	0.3404	3.1122	0.9998	0.9952						
1.5061	1.0000	0.3403	3.1135	1.0000	0.9958						
1.6116	1.0000	0.3404	3.1129	0.9999	0.9956						

MACH = 3.00				PO = 298.3 KPA				TO = 305.5 K			
ALPHA = 2.10				Z/D = 3.33				PHI = 30.			
RPM = 0.				PW = 6.87 KPA				REL = 7345352.			
Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE
0.0000	0.9208	0.9208	0.0000	0.0000	0.3695	0.0000	0.9208	0.9208	0.0000	0.3695	0.3695
0.0446	0.9667	0.7507	1.1995	0.5723	0.4531	0.1088	0.9776	0.6435	1.6113	0.7117	0.5285
0.0684	0.9690	0.7322	1.2717	0.5991	0.4647	0.1331	0.9795	0.6227	1.6926	0.7354	0.5462
0.0832	0.9721	0.7052	1.3754	0.6359	0.4825	0.1545	0.9812	0.6025	1.7726	0.7576	0.5644
0.1012	0.9761	0.6616	1.5416	0.6904	0.5142	0.1815	0.9834	0.5759	1.8808	0.7859	0.5905
0.1311	0.9790	0.6300	1.6644	0.7273	0.5401	0.1942	0.9848	0.5585	1.9537	0.8039	0.6050
0.1611	0.9813	0.6059	1.7600	0.7542	0.5616	0.2246	0.9859	0.5435	2.0176	0.8190	0.6258
0.1791	0.9834	0.5786	1.8701	0.7832	0.5880	0.2591	0.9873	0.5231	2.1065	0.8389	0.6501
0.1912	0.9843	0.5645	1.9284	0.7978	0.6026	0.2810	0.9887	0.5064	2.1821	0.8550	0.6716
0.2214	0.9859	0.5465	2.0050	0.8161	0.6226	0.3375	0.9901	0.4871	2.2722	0.8732	0.6982
0.2455	0.9870	0.5290	2.0806	0.8333	0.6430	0.3973	0.9912	0.4714	2.3483	0.8877	0.7215
0.2952	0.9886	0.5110	2.1615	0.8508	0.6658	0.4796	0.9922	0.4580	2.4150	0.8998	0.7426
0.3354	0.9897	0.4925	2.2451	0.8679	0.6902	0.5365	0.9930	0.4454	2.4794	0.9111	0.7636
0.3850	0.9911	0.4766	2.3234	0.8831	0.7125	0.5720	0.9938	0.4347	2.5356	0.9205	0.7822
0.4564	0.9923	0.4584	2.4132	0.8996	0.7422	0.6231	0.9944	0.4247	2.5896	0.9293	0.8007
0.5161	0.9931	0.4445	2.4843	0.9120	0.7654	0.6649	0.9950	0.4164	2.6356	0.9365	0.8167
0.5565	0.9937	0.4377	2.5206	0.9181	0.7774	0.7131	0.9957	0.4052	2.6594	0.9461	0.8353
0.6567	0.9949	0.4237	2.5960	0.9303	0.8031	0.7646	0.9963	0.3966	2.7495	0.9534	0.8575
0.7276	0.9960	0.4033	2.7110	0.9479	0.8437	0.8296	0.9970	0.3857	2.8148	0.9626	0.8817
0.7945	0.9970	0.3878	2.8025	0.9609	0.8773	0.8882	0.9977	0.3745	2.8847	0.9719	0.9022
0.8486	0.9975	0.3808	2.8458	0.9668	0.8926	0.9502	0.9981	0.3646	2.9457	0.9798	0.9319
0.9164	0.9981	0.3735	2.8919	0.9729	0.9112	1.0027	0.9987	0.3583	2.9895	0.9853	0.9452
0.9647	0.9987	0.3642	2.9517	0.9806	0.9345	1.0728	0.9991	0.3516	3.0347	0.9907	0.9674
1.0262	0.9991	0.3552	3.0107	0.9879	0.9575	1.0843	0.9996	0.3446	3.0830	0.9964	0.9871
1.0781	0.9994	0.3495	3.0465	0.9922	0.9723	1.2976	0.9997	0.3418	3.1026	0.9987	0.9951
1.1255	0.9996	0.3463	3.0710	0.9931	0.9824	1.4134	0.9998	0.3406	3.1111	0.9996	0.9987
1.1662	0.9997	0.3453	3.0781	0.9959	0.9852	1.5193	0.9998	0.3403	3.1130	0.9999	0.9999
1.2712	0.9999	0.3415	3.1017	0.9986	0.9950						
1.3951	0.9999	0.3404	3.1122	0.9998	0.9952						
1.5061	1.0000	0.3403	3.1135	1.0000	0.9958						
1.6116	1.0000	0.3404	3.1129	0.9999	0.9956						

MACH = 3.00				PO = 298.3 KPA				TO = 305.5 K			
ALPHA = 2.10				Z/D = 3.33				PHI = 30.			
RPM = 0.				PW = 6.87 KPA				REL = 7345352.			
Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE
0.0000	0.9208	0.9208	0.0000	0.0000	0.3695	0.0000	0.9208	0.9208	0.0000	0.3695	0.3695
0.0446	0.9667	0.7507	1.1995	0.5723	0.4531	0.1088	0.9776	0.6435	1.6113	0.7117	0.5285
0.0684	0.9690	0.7322	1.2717	0.5991	0.4647	0.1331	0.9795	0.6227	1.6926	0.7354	0.5462
0.0832	0.9721	0.7052	1.3754	0.6359	0.4825	0.1545	0.9812	0.6025	1.7726	0.7576	0.5644
0.1012	0.9761	0.6616	1.5416	0.6904	0.5142	0.1815	0.9834	0.5759	1.8808	0.7859	0.5905
0.1311	0.9790	0.6300	1.6644	0.7273	0.5401	0.1942	0.9848	0.5585	1.9537	0.8039	0.6050
0.1611	0.9813	0.6059	1.7600	0.7542	0.5616	0.2246	0.9859	0.5435	2.0176	0.8190	0.6258
0.1791	0.9834	0.5786	1.8701	0.7832	0.5880	0.2591	0.9873	0.5231	2.1065	0.8389	0.6501
0.1912	0.9843	0.5645	1.9284	0.7978	0.6026	0.2810	0.9887	0.5064	2.1821	0.8550	0.6716
0.2214	0.9859	0.5465	2.0050	0.8161	0.6226	0.3375	0.9901	0.4871	2.2722	0.8732	0.6982
0.2455	0.9870	0.5290	2.0806	0.8333	0.6430	0.3973	0.9912	0.4714	2.3483	0.8877	0.7215
0.2952	0.9886	0.5110	2.1615	0.8508	0.6658	0.4796	0.9922	0.4580	2.4150	0.8998	0.7426
0.3354	0.9897	0.4925	2.2451	0.8679	0.6902	0.5365	0.9930	0.4454	2.4794	0.9111	0.7636
0.3850	0.9911	0.4766	2.3234	0.8831	0.7125	0.5720	0.9938	0.4347	2.5356	0.9205	0.7822
0.4564	0.9923	0.4584	2.4132	0.8996	0.7422	0.6231	0.9944	0.4247	2.5896	0.9293	0.8007
0.5161	0.9931	0.4445	2.4843	0.9120	0.7654	0.6649	0.9950	0.4164	2.6356	0.9365	0.8167
0.5565	0.9937	0.4377	2.5206	0.9181	0.7774	0.7131	0.9957	0.4052	2.6594	0.9461	0.8353
0.6567	0.9949	0.4237	2.5960	0.9303	0.8031	0.7646	0.9963	0.3966	2.7495	0.9534	0.8575
0.7276	0.9960	0.4033	2.7110	0.9479	0.8437	0.8296	0.9970	0.3857	2.8148	0.9626	0.8817
0.7945	0.9970	0.3878	2.8025	0.9609	0.8773	0.8882	0.9977	0.3745	2.8847	0.9719	0.9022
0.8486	0.9975	0.3808	2.8458	0.9668	0.8926	0.9502	0.9981	0.3646	2.9457	0.9798	0.9319
0.9164	0.9981	0.3735	2.8919	0.9729	0.9112	1.0027	0.9987	0.3583	2.9895	0.9853	0.9452
0.9647	0.9987	0.3642	2.9517	0.9806	0.9345	1.0728	0.9991	0.3516	3.0347	0.9907	0.9674
1.0262	0.9991	0.3552	3.0107	0.9879	0.9575	1.0843					

[illegible]

MACH = 3.00 ALPHA = 2.10 RPM = 0.				PO = 298.2 KPA Z/O = 3.33 PW = 6.39 KPA				TO = 306.7 K PHI = 90. REL = 7317915.				MACH = 3.00 ALPHA = 2.10 RPM = 20000.				PO = 298.1 KPA Z/O = 3.32 PW = 6.38 KPA				TO = 306.8 K PHI = 90. REL = 7300802.			
Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.5200	0.9200	0.0000	0.0000	0.3625	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622
0.0310	0.9649	0.7610	1.1572	0.5532	0.4381	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054
0.0498	0.9692	0.7250	1.2576	0.6054	0.4599	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183
0.0687	0.9721	0.6960	1.4082	0.6438	0.4790	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316
0.0876	0.9756	0.6621	1.5385	0.6859	0.5036	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474
0.1066	0.9773	0.6411	1.6192	0.7105	0.5200	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621
0.1174	0.9790	0.6245	1.6849	0.7295	0.5340	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824
0.1364	0.9811	0.5995	1.7840	0.7569	0.5552	0.1846	0.9846	0.5570	1.9591	0.8009	0.5982	0.1846	0.9846	0.5570	1.9591	0.8009	0.5982	0.1846	0.9846	0.5570	1.9591	0.8009	0.5982
0.1528	0.9829	0.5832	1.8512	0.7744	0.5720	0.2013	0.9857	0.5428	2.0196	0.8150	0.6138	0.2013	0.9857	0.5428	2.0196	0.8150	0.6138	0.2013	0.9857	0.5428	2.0196	0.8150	0.6138
0.1715	0.9840	0.5648	1.9262	0.7932	0.5904	0.2237	0.9869	0.5268	2.0899	0.8308	0.6326	0.2237	0.9869	0.5268	2.0899	0.8308	0.6326	0.2237	0.9869	0.5268	2.0899	0.8308	0.6326
0.1993	0.9851	0.5501	1.9884	0.8081	0.6052	0.2515	0.9880	0.5126	2.1533	0.8444	0.6500	0.2515	0.9880	0.5126	2.1533	0.8444	0.6500	0.2515	0.9880	0.5126	2.1533	0.8444	0.6500
0.2300	0.9863	0.5373	2.0442	0.8209	0.6208	0.2689	0.9889	0.5027	2.1990	0.8539	0.6630	0.2689	0.9889	0.5027	2.1990	0.8539	0.6630	0.2689	0.9889	0.5027	2.1990	0.8539	0.6630
0.2495	0.9874	0.5202	2.1192	0.8375	0.6411	0.3113	0.9895	0.4884	2.2649	0.8671	0.6821	0.3113	0.9895	0.4884	2.2649	0.8671	0.6821	0.3113	0.9895	0.4884	2.2649	0.8671	0.6821
0.2887	0.9887	0.5031	2.1570	0.8538	0.6635	0.3652	0.9905	0.4772	2.3192	0.8775	0.6982	0.3652	0.9905	0.4772	2.3192	0.8775	0.6982	0.3652	0.9905	0.4772	2.3192	0.8775	0.6982
0.3445	0.9896	0.4905	2.2554	0.8655	0.6758	0.4222	0.9914	0.4655	2.3768	0.8882	0.7159	0.4222	0.9914	0.4655	2.3768	0.8882	0.7159	0.4222	0.9914	0.4655	2.3768	0.8882	0.7159
0.3815	0.9904	0.4769	2.3201	0.8780	0.6931	0.4652	0.9923	0.4543	2.4336	0.8983	0.7336	0.4652	0.9923	0.4543	2.4336	0.8983	0.7336	0.4652	0.9923	0.4543	2.4336	0.8983	0.7336
0.4267	0.9915	0.4638	2.3853	0.8901	0.7130	0.5025	0.9932	0.4447	2.4931	0.9069	0.7455	0.5025	0.9932	0.4447	2.4931	0.9069	0.7455	0.5025	0.9932	0.4447	2.4931	0.9069	0.7455
0.4664	0.9923	0.4526	2.4420	0.9001	0.7365	0.5514	0.9937	0.4338	2.5403	0.9164	0.7682	0.5514	0.9937	0.4338	2.5403	0.9164	0.7682	0.5514	0.9937	0.4338	2.5403	0.9164	0.7682
0.5062	0.9930	0.4422	2.4954	0.9093	0.7521	0.5890	0.9941	0.4245	2.5879	0.9241	0.7841	0.5890	0.9941	0.4245	2.5879	0.9241	0.7841	0.5890	0.9941	0.4245	2.5879	0.9241	0.7841
0.5433	0.9941	0.4321	2.5500	0.9183	0.7720	0.6295	0.9947	0.4160	2.6374	0.9318	0.8010	0.6295	0.9947	0.4160	2.6374	0.9318	0.8010	0.6295	0.9947	0.4160	2.6374	0.9318	0.8010
0.5834	0.9942	0.4244	2.5912	0.9249	0.7828	0.6673	0.9956	0.4064	2.6922	0.9400	0.8200	0.6673	0.9956	0.4064	2.6922	0.9400	0.8200	0.6673	0.9956	0.4064	2.6922	0.9400	0.8200
0.6121	0.9951	0.4170	2.6328	0.9314	0.8030	0.7285	0.9961	0.3958	2.7535	0.9489	0.8418	0.7285	0.9961	0.3958	2.7535	0.9489	0.8418	0.7285	0.9961	0.3958	2.7535	0.9489	0.8418
0.6610	0.9955	0.4070	2.6890	0.9399	0.8155	0.7695	0.9968	0.3871	2.8084	0.9563	0.8610	0.7695	0.9968	0.3871	2.8084	0.9563	0.8610	0.7695	0.9968	0.3871	2.8084	0.9563	0.8610
0.6985	0.9958	0.3995	2.7299	0.9458	0.8340	0.8164	0.9973	0.3785	2.8567	0.9631	0.8756	0.8164	0.9973	0.3785	2.8567	0.9631	0.8756	0.8164	0.9973	0.3785	2.8567	0.9631	0.8756
0.7216	0.9967	0.3895	2.7892	0.9543	0.8514	0.8695	0.9979	0.3702	2.9115	0.9703	0.9002	0.8695	0.9979	0.3702	2.9115	0.9703	0.9002	0.8695	0.9979	0.3702	2.9115	0.9703	0.9002
0.7506	0.9968	0.3841	2.8243	0.9591	0.8682	0.9045	0.9983	0.3638	2.9528	0.9755	0.9160	0.9045	0.9983	0.3638	2.9528	0.9755	0.9160	0.9045	0.9983	0.3638	2.9528	0.9755	0.9160
0.8407	0.9977	0.3770	2.8692	0.9651	0.8845	0.9612	0.9985	0.3568	3.0000	0.9812	0.9340	0.9612	0.9985	0.3568	3.0000	0.9812	0.9340	0.9612	0.9985	0.3568	3.0000	0.9812	0.9340
0.8787	0.9981	0.3676	2.9287	0.9728	0.9074	1.0116	0.9991	0.3507	3.0402	0.9861	0.9502	1.0116	0.9991	0.3507	3.0402	0.9861	0.9502	1.0116	0.9991	0.3507	3.0402	0.9861	0.9502
0.9403	0.9987	0.3604	2.9761	0.9787	0.9257	1.0745	0.9995	0.3445	3.0830	0.9911	0.9672	1.0745	0.9995	0.3445	3.0830	0.9911	0.9672	1.0745	0.9995	0.3445	3.0830	0.9911	0.9672
1.0195	0.9992	0.3498	3.0466	0.9872	0.9535	1.1738	1.0000	0.3385	3.1237	0.9960	0.9846	1.1738	1.0000	0.3385	3.1237	0.9960	0.9846	1.1738	1.0000	0.3385	3.1237	0.9960	0.9846
1.0584	0.9996	0.3463	3.0715	0.9901	0.9634	1.2628	1.0000	0.3355	3.1469	0.9983	0.9922	1.2628	1.0000	0.3355	3.1469	0.9983	0.9922	1.2628	1.0000	0.3355	3.1469	0.9983	0.9922
1.1596	1.0002	0.3390	3.1232	0.9960	0.9842	1.3704	1.0001	0.3343	3.1554	0.9993	0.9968	1.3704	1.0001	0.3343	3.1554	0.9993	0.9968	1.3704	1.0001	0.3343	3.1554	0.9993	0.9968
1.2629	1.0002	0.3358	3.1451	0.9985	0.9932	1.4751	1.0001	0.3333	3.1587	0.9996	0.9982	1.4751	1.0001	0.3333	3.1587	0.9996	0.9982	1.4751	1.0001	0.3333	3.1587	0.9996	0.9982
1.3573	1.0003	0.3347	3.1533	0.9994	0.9967	1.5771	1.0002	0.3336	3.1610	0.9999	0.9991	1.5771	1.0002	0.3336	3.1610	0.9999	0.9991	1.5771	1.0002	0.3336	3.1610	0.9999	0.9991
1.4611	1.0003	0.3340	3.1585	1.0000	0.9988																		
1.5621	1.0003	0.3341	3.1579	0.9999	0.9986																		

MACH = 3.00 ALPHA = 2.10 RPM = 0.				PO = 298.2 KPA Z/O = 3.33 PW = 6.39 KPA				TO = 306.7 K PHI = 90. REL = 7317915.				MACH = 3.00 ALPHA = 2.10 RPM = 20000.				PO = 298.1 KPA Z/O = 3.32 PW = 6.38 KPA				TO = 306.8 K PHI = 90. REL = 7300802.			
Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.5200	0.9200	0.0000	0.0000	0.3625	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622
0.0310	0.9649	0.7610	1.1572	0.5532	0.4381	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054	0.0912	0.9759	0.6535	1.5692	0.6952	0.5054
0.0498	0.9692	0.7250	1.2576	0.6054	0.4599	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183	0.1021	0.9773	0.6425	1.6126	0.7083	0.5183
0.0687	0.9721	0.6960	1.4082	0.6438	0.4790	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316	0.1076	0.9788	0.6268	1.6757	0.7267	0.5316
0.0876	0.9756	0.6621	1.5385	0.6859	0.5036	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474	0.1295	0.9803	0.6087	1.7471	0.7466	0.5474
0.1066	0.9773	0.6411	1.6192	0.7105	0.5200	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621	0.1460	0.9817	0.5928	1.8111	0.7638	0.5621
0.1174	0.9790	0.6245	1.6849	0.7295	0.5340	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824	0.1680	0.9834	0.5712	1.8597	0.7864	0.5824
0.1364	0.9811	0.5995	1.7840	0.7569	0.5552	0.1846	0.9846	0.5570	1.9591														

[illegible]

MACH = 3.00 ALPHA = 2.10 RPM = 2000.				PO = 295.0 KPA Z/D = 3.33 PW = 6.00 KPA				TO = 306.5 K PHI = 150. REL = 7333658.			
Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE	Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE
0.0000	0.9189	0.9189	0.0000	0.0000	0.3525	0.0000	0.9189	0.9189	0.0000	0.0000	0.3527
0.0254	0.9633	0.7660	1.1348	0.5402	0.4230	0.0000	0.9189	0.7001	1.3907	0.6323	0.4625
0.0445	0.9670	0.7334	1.2618	0.5879	0.4415	0.0860	0.9709	0.7001	1.3907	0.6323	0.4625
0.0642	0.9718	0.6923	1.4207	0.6430	0.4679	0.1033	0.9771	0.6338	1.5503	0.6836	0.4921
0.0836	0.9754	0.6576	1.5546	0.6856	0.4927	0.1361	0.9802	0.5991	1.7632	0.7120	0.5112
0.1117	0.9779	0.6261	1.6760	0.7214	0.5173	0.1604	0.9826	0.5725	1.8926	0.7501	0.5408
0.1291	0.9800	0.6044	1.7625	0.7453	0.5355	0.1937	0.9843	0.5475	1.9957	0.7781	0.5661
0.1512	0.9826	0.5794	1.8654	0.7721	0.5594	0.2272	0.9856	0.5288	2.0781	0.8027	0.5913
0.1733	0.9839	0.5589	1.9498	0.7928	0.5757	0.2786	0.9873	0.5069	2.1767	0.8213	0.6125
0.2021	0.9850	0.5372	2.0414	0.8140	0.6027	0.3754	0.9887	0.4826	2.2896	0.8422	0.6390
0.2489	0.9874	0.5118	2.1556	0.8387	0.6330	0.4094	0.9897	0.4689	2.3567	0.8646	0.6705
0.3068	0.9885	0.4957	2.2296	0.8538	0.6535	0.4800	0.9905	0.4518	2.4415	0.8772	0.6906
0.3677	0.9894	0.4808	2.2998	0.8675	0.6736	0.5212	0.9912	0.4390	2.5078	0.8922	0.7164
0.4196	0.9903	0.4664	2.3693	0.8803	0.6941	0.5626	0.9919	0.4265	2.5726	0.9034	0.7372
0.4834	0.9920	0.4366	2.4366	0.9176	0.7414	0.6134	0.9921	0.4145	2.6375	0.9139	0.7580
0.5730	0.9936	0.4243	2.5901	0.9176	0.7853	0.6667	0.9929	0.4013	2.7147	0.9240	0.7795
0.6326	0.9938	0.4123	2.6556	0.9277	0.7853	0.7226	0.9932	0.3901	2.7805	0.9355	0.8057
0.7324	0.9952	0.3915	2.7765	0.9452	0.8042	0.7764	0.9935	0.3808	2.8364	0.9448	0.8266
0.7975	0.9970	0.3805	2.8441	0.9544	0.8510	0.8376	0.9935	0.3676	2.9204	0.9524	0.8485
0.8445	0.9966	0.3695	2.9104	0.9630	0.8753	0.8921	0.9935	0.3582	3.0744	0.9634	0.8792
0.8995	0.9976	0.3571	2.9544	0.9735	0.9067	0.9693	0.9958	0.3445	3.1404	0.9819	0.9375
0.9669	0.9986	0.3476	3.0600	0.9813	0.9219	1.0515	0.9958	0.3354	3.1846	0.9894	0.9639
1.0368	0.9986	0.3376	3.1291	0.9891	0.9551	1.266	0.9971	0.3293	3.2109	0.9942	0.9817
1.1335	0.9997	0.3289	3.1931	0.9961	0.9848	1.266	0.9977	0.3258	3.2236	0.9970	0.9923
1.2036	0.9999	0.3261	3.2141	0.9983	0.9924	1.2969	0.9978	0.3241	3.2236	0.9983	0.9976
1.2791	0.9990	0.3246	3.2232	0.9993	0.9971	1.3676	0.9978	0.3242	3.2230	0.9982	0.9973
1.3691	0.9998	0.3248	3.2234	0.9993	0.9971	1.4439	0.9980	0.3238	3.2268	0.9986	0.9985
1.4521	0.9994	0.3245	3.2249	0.9994	0.9978	1.5292	0.9985	0.3236	3.2292	0.9989	0.9999
1.5352	1.0000	0.3243	3.2277	0.9997	0.9989						

MACH = 3.00 ALPHA = 2.10 RPM = 2000.				PO = 298.9 KPA Z/D = 3.33 PW = 6.00 KPA				TO = 306.2 K PHI = 150. REL = 7324785.			
Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE	Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE
0.0000	0.9189	0.9189	0.0000	0.0000	0.3527	0.0000	0.9189	0.9189	0.0000	0.0000	0.3527
0.0254	0.9633	0.7660	1.1348	0.5402	0.4230	0.0000	0.9189	0.7001	1.3907	0.6323	0.4625
0.0445	0.9670	0.7334	1.2618	0.5879	0.4415	0.0860	0.9709	0.7001	1.3907	0.6323	0.4625
0.0642	0.9718	0.6923	1.4207	0.6430	0.4679	0.1033	0.9771	0.6338	1.5503	0.6836	0.4921
0.0836	0.9754	0.6576	1.5546	0.6856	0.4927	0.1361	0.9802	0.5991	1.7632	0.7120	0.5112
0.1117	0.9779	0.6261	1.6760	0.7214	0.5173	0.1604	0.9826	0.5725	1.8926	0.7501	0.5408
0.1291	0.9800	0.6044	1.7625	0.7453	0.5355	0.1937	0.9843	0.5475	1.9957	0.7781	0.5661
0.1512	0.9826	0.5794	1.8654	0.7721	0.5594	0.2272	0.9856	0.5288	2.0781	0.8027	0.5913
0.1733	0.9839	0.5589	1.9498	0.7928	0.5757	0.2786	0.9873	0.5069	2.1767	0.8213	0.6125
0.2021	0.9850	0.5372	2.0414	0.8140	0.6027	0.3754	0.9887	0.4826	2.2896	0.8422	0.6390
0.2489	0.9874	0.5118	2.1556	0.8387	0.6330	0.4094	0.9897	0.4689	2.3567	0.8646	0.6705
0.3068	0.9885	0.4957	2.2296	0.8538	0.6535	0.4800	0.9905	0.4518	2.4415	0.8772	0.6906
0.3677	0.9894	0.4808	2.2998	0.8675	0.6736	0.5212	0.9912	0.4390	2.5078	0.8922	0.7164
0.4196	0.9903	0.4664	2.3693	0.8803	0.6941	0.5626	0.9919	0.4265	2.5726	0.9034	0.7372
0.4834	0.9920	0.4366	2.4366	0.9176	0.7414	0.6134	0.9921	0.4145	2.6375	0.9139	0.7580
0.5730	0.9936	0.4243	2.5901	0.9176	0.7853	0.6667	0.9929	0.4013	2.7147	0.9240	0.7795
0.6326	0.9938	0.4123	2.6556	0.9277	0.7853	0.7226	0.9932	0.3901	2.7805	0.9355	0.8057
0.7324	0.9952	0.3915	2.7765	0.9452	0.8042	0.7764	0.9935	0.3808	2.8364	0.9448	0.8266
0.7975	0.9970	0.3805	2.8441	0.9544	0.8510	0.8376	0.9935	0.3676	2.9204	0.9524	0.8485
0.8445	0.9966	0.3695	2.9104	0.9630	0.8753	0.8921	0.9935	0.3582	3.0744	0.9634	0.8792
0.8995	0.9976	0.3571	2.9544	0.9735	0.9067	0.9693	0.9958	0.3445	3.1404	0.9819	0.9375
0.9669	0.9986	0.3476	3.0600	0.9813	0.9219	1.0515	0.9958	0.3354	3.1846	0.9894	0.9639
1.0368	0.9986	0.3376	3.1291	0.9891	0.9551	1.266	0.9971	0.3293	3.2109	0.9942	0.9817
1.1335	0.9997	0.3289	3.1931	0.9961	0.9848	1.266	0.9977	0.3258	3.2236	0.9970	0.9923
1.2036	0.9999	0.3261	3.2141	0.9983	0.9924	1.2969	0.9978	0.3241	3.2236	0.9983	0.9976
1.2791	0.9990	0.3246	3.2232	0.9993	0.9971	1.3676	0.9978	0.3242	3.2230	0.9982	0.9973
1.3691	0.9998	0.3248	3.2234	0.9993	0.9971	1.4439	0.9980	0.3238	3.2268	0.9986	0.9985
1.4521	0.9994	0.3245	3.2249	0.9994	0.9978	1.5292	0.9985	0.3236	3.2292	0.9989	0.9999
1.5352	1.0000	0.3243	3.2277	0.9997	0.9989						

MACH = 3.00 ALPHA = 2.10 RPM = 2000.				PO = 298.9 KPA Z/D = 3.33 PW = 6.00 KPA				TO = 306.2 K PHI = 150. REL = 7324785.			
Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE	Y/DEL	TT/TO	T/TO	M	U/UE	RMQ/RMOE
0.0000	0.9189	0.9189	0.0000	0.0000	0.3527	0.0000	0.9189	0.9189	0.0000	0.0000	0.3527
0.0254	0.9633	0.7660	1.1348	0.5402	0.4230	0.0000	0.9189	0.7001	1.3907	0.6323	0.4625
0.0445	0.9670	0.7334	1.2618	0.5879	0.4415	0.0860	0.9709	0.7001	1.3907	0.6323	0.4625
0.0642	0.9718	0.6923	1.4207	0.6430	0.4679	0.1033	0.9771	0.6338	1.5503	0.6836	0.4921
0.0836	0.9754	0.6576	1.5546	0.6856	0.4927	0.1361	0.9802	0.5991	1.7632	0.7120	0.5112
0.1117	0.9779	0.6261	1.6760	0.7214	0.5173	0.1604	0.9826	0.5725	1.8926	0.7501	0.5408
0.1291	0.9800	0.6044	1.7625	0.7453	0.5355	0.1937	0.9843	0.5475	1.9957	0.7781	0.5661
0.1512	0.9826	0.5794	1.8654	0.7721	0.5594	0.2272	0.9856	0.5288	2.0781	0.8027	0.5913
0.1733	0.9839	0.5589	1.9498	0.7928	0.5757	0.2786	0.9873	0.5069	2.1767	0.8213	0.6125
0.2021	0.9850	0.5372	2.0414	0.8140	0.6027	0.3754	0.9887	0.4826	2.2896	0.8422	0.6390
0.2489	0.9874	0.5118	2.1556	0.8387	0.6330	0.4094	0.9897	0.4689	2.3567	0.8646	0.6705
0.3068	0.9885	0.4957	2.2296	0.8538	0.6535	0.4800	0.9905	0.4518	2.4415	0.8772	0.6906
0.3677	0.9894	0.4808	2.2998	0.8675	0.6736	0.5212	0.9912	0.4390	2.5078	0.8922	0.7164
0.4196	0.9903	0.4664	2.3693	0.8803	0.6941	0.5626	0.9919	0.4265	2.5726	0.9034	0.7372
0.4834	0.9920	0.4366	2.4366	0.9176	0.7414	0.6134	0.9921	0.4145	2.6375	0.9139	0.7580
0.5730	0.9936	0.4243	2.5901	0.9176	0.7853	0.6667	0.9929	0.4013	2.7147	0.9240	0.7795
0.6326	0.9938	0.4123	2.6556	0.9277	0.7853	0.7226	0.9932	0.3901	2.7805	0.9355	0.8057
0.7324	0.9952	0.3915	2.7765	0.9452	0.8042	0.7764	0.9935	0.3808	2.8364	0.9448	0.8266
0.7975	0.9970	0.3805	2.8441	0.9544	0.8510	0.8376	0.9935	0.3676	2.9204	0.9524	0.8485
0.8445	0.9966	0.3695	2.9104	0.9630	0.8753	0.8921	0.9935	0.3582	3.0744	0.9634	0.8792
0.8995	0.9976	0.3571	2.9544	0.9735	0.9067	0.9693	0.9958	0.3445	3.1404	0.9819	0.9375
0.9669	0.9986	0.3476	3.0600	0.9813	0.9219	1.0515	0.9958	0.3354	3.1846	0.9894	0.9639
1.0368	0.9986	0.3376	3.1291	0.9891	0.9551	1.266	0.9971	0.3293	3.2109	0.9942	0.9817
1.1335	0.9997	0.3289	3.1931	0.9961	0.9848	1.266	0.9977	0.3258	3.2236	0.9970	0.9923
1.2036	0.9999	0.3261	3.2141	0.9983	0.9924	1.2969	0.9978	0.3241	3.2236	0.9983	0.9976
1.2791	0.9990	0.3246	3.2232	0.9993	0.9971	1.3676	0.9978	0.3242	3.2230	0.9982	0.9973
1.3691	0.9998	0.3248	3.2234	0.9993	0.9971	1.4439	0.9980	0.3238	3.2268	0.9986	0.9985
1.4521	0.9994	0									

MACH = 3.00 PO = 295.7 KPA TO = 306.6 K DEL = 0.2666 DELU = 0.2735 DEL** = 0.1014 CM
 ALPHA = 2.10 Z/D = 3.33 PHI = 180. THETA = 0.01725 UE = 644.3 M/SEC
 RPM = 3. PW = 6.00 KPA REL = 7375357. RHOE = 0.2106 KG/M**3 RUN = 3006

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9188	0.9188	0.0000	0.0000	0.3516
0.0000	0.9188	0.9188	0.0000	0.0000	0.3516
0.0300	0.9613	0.7847	1.0608	0.5119	0.4115
0.0385	0.9631	0.7711	1.1158	0.5337	0.4192
0.0385	0.9631	0.7711	1.1158	0.5337	0.4192
0.0664	0.9706	0.7147	1.3379	0.6160	0.4525
0.0814	0.9735	0.6904	1.4319	0.6478	0.4686
0.1055	0.9768	0.6582	1.5557	0.6872	0.4916
0.1274	0.9794	0.6300	1.6653	0.7196	0.5137
0.1428	0.9814	0.6103	1.7437	0.7415	0.5304
0.1737	0.9839	0.5826	1.8557	0.7710	0.5556
0.1913	0.9852	0.5707	1.9055	0.7835	0.5674
0.2334	0.9878	0.5378	2.0453	0.8163	0.6021
0.2712	0.9896	0.5200	2.1249	0.8338	0.6230
0.3092	0.9907	0.5051	2.1924	0.8478	0.6414
0.3495	0.9912	0.4946	2.2409	0.8576	0.6545
0.3877	0.9923	0.4834	2.2943	0.8679	0.6702
0.4171	0.9929	0.4740	2.3395	0.8764	0.6834
0.4533	0.9938	0.4616	2.4012	0.8877	0.7015
0.4941	0.9948	0.4505	2.4577	0.8975	0.7192
0.5397	0.9958	0.4383	2.5218	0.9083	0.7354
0.5695	0.9961	0.4305	2.5629	0.9149	0.7526
0.6085	0.9965	0.4223	2.6075	0.9220	0.7671
0.6500	0.9975	0.4134	2.6576	0.9297	0.7838
0.6892	0.9978	0.4056	2.7020	0.9362	0.7585
0.7194	0.9984	0.3994	2.7385	0.9415	0.8115
0.7655	0.9990	0.3897	2.7960	0.9496	0.8316
0.8056	0.9993	0.3825	2.8395	0.9555	0.8471
0.8456	1.0002	0.3745	2.8902	0.9622	0.8655
0.8886	1.0002	0.3649	2.9503	0.9698	0.8877
0.9460	1.0013	0.3542	3.0216	0.9785	0.9146
0.9987	1.0018	0.3463	3.0761	0.9849	0.9357
1.0731	1.0024	0.3371	3.1413	0.9922	0.9614
1.1670	1.0029	0.3312	3.1845	0.9969	0.9787
1.2442	1.0029	0.3290	3.2000	0.9986	0.9850
1.3264	1.0026	0.3278	3.2085	0.9995	0.9884
1.3991	1.0033	0.3274	3.2128	1.0000	0.9901

MACH = 3.00 PO = 295.0 KPA TO = 306.0 K DEL = 0.2735 DELU = 0.411 DEL** = 0.1014 CM
 ALPHA = 2.10 Z/D = 3.33 PHI = 180. THETA = 0.01725 UE = 645.8 M/SEC
 RPM = 20000. PW = 6.00 KPA REL = 7327874. RHOE = 0.2091 KG/M**3 RUN = 3007

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9190	0.9190	0.0000	0.0000	0.3533
0.0000	0.9190	0.9190	0.0000	0.0000	0.3533
0.0731	0.9710	0.7008	1.3887	0.6311	0.4634
0.0815	0.9721	0.6862	1.4433	0.6492	0.4730
0.1050	0.9755	0.6510	1.5788	0.6917	0.4986
0.1178	0.9773	0.6315	1.6546	0.7140	0.5140
0.1371	0.9792	0.6057	1.7558	0.7421	0.5357
0.1521	0.9807	0.5927	1.8090	0.7563	0.5476
0.1758	0.9823	0.5728	1.8906	0.7770	0.5666
0.1827	0.9826	0.5642	1.9259	0.7856	0.5752
0.2276	0.9847	0.5356	2.0477	0.8139	0.6057
0.2644	0.9862	0.5161	2.1339	0.8327	0.6285
0.3014	0.9871	0.5043	2.1680	0.8439	0.6433
0.3276	0.9872	0.4976	2.2179	0.8499	0.6517
0.3780	0.9882	0.4846	2.2796	0.8620	0.6693
0.4110	0.9891	0.4736	2.3328	0.8721	0.6848
0.4507	0.9896	0.4615	2.3899	0.8825	0.7019
0.4795	0.9902	0.4535	2.4304	0.8896	0.7143
0.5173	0.9909	0.4437	2.4829	0.8986	0.7307
0.5574	0.9913	0.4317	2.5458	0.9089	0.7508
0.6022	0.9920	0.4210	2.6010	0.9177	0.7668
0.6336	0.9926	0.4124	2.6524	0.9256	0.7840
0.6652	0.9930	0.4035	2.7005	0.9327	0.8023
0.7055	0.9936	0.3945	2.7558	0.9406	0.8215
0.7422	0.9942	0.3864	2.8045	0.9474	0.8387
0.7717	0.9944	0.3797	2.8450	0.9528	0.8533
0.8267	0.9949	0.3697	2.9079	0.9610	0.8763
0.8775	0.9953	0.3592	2.9763	0.9695	0.9019
0.9386	0.9960	0.3494	3.0421	0.9774	0.9271
0.9994	0.9966	0.3400	3.1076	0.9849	0.9527
1.0275	0.9970	0.3370	3.1284	0.9873	0.9610
1.1316	0.9970	0.3292	3.1852	0.9935	0.9838
1.2106	0.9972	0.3264	3.2057	0.9956	0.9921
1.2907	0.9971	0.3252	3.2138	0.9965	0.9955
1.3592	0.9971	0.3248	3.2170	0.9968	0.9968
1.4468	0.9968	0.3243	3.2202	0.9972	0.9981
1.5248	0.9970	0.3241	3.2224	0.9974	0.9985
1.6031	0.9969	0.3236	3.2254	0.9977	1.0002
1.6765	0.9965	0.3232	3.2280	0.9980	1.0012

MACH = 3.00 PO = 297.8 KPA TO = 314.0 K
 ALPHA = 2.10 Z/D = 3.33 PHI = 190.
 RPN = 0. PM = 5.97 KPA REL=703478.

MACH = 3.00 PO = 297.7 KPA TO = 314.1 K
 ALPHA = 2.10 Z/D = 3.33 PHI = 190.
 RPN = 20000. PM = 5.97 KPA REL=7057045.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9189	0.9189	0.0000	0.0000	0.3521	0.0000	0.9189	0.9189	0.0000	0.0000	0.3521
0.0289	0.9595	0.7943	1.0196	0.4947	0.4085	0.0854	0.9664	0.7426	1.2276	0.5757	0.4369
0.0600	0.9627	0.7695	1.1207	0.5351	0.4217	0.0872	0.9708	0.7035	1.3772	0.6288	0.4610
0.0733	0.9677	0.7314	1.2711	0.5917	0.4437	0.1048	0.9746	0.6645	1.5273	0.6776	0.4882
0.0889	0.9718	0.6947	1.4121	0.6406	0.4672	0.1267	0.9771	0.6390	1.6267	0.7076	0.5078
0.1224	0.9754	0.6578	1.5536	0.6859	0.4934	0.1597	0.9800	0.6041	1.7641	0.7462	0.5371
0.1403	0.9786	0.6245	1.6837	0.7242	0.5158	0.1817	0.9816	0.5821	1.8409	0.7664	0.5545
0.1694	0.9809	0.5961	1.7966	0.7550	0.5445	0.2016	0.9834	0.5652	1.9193	0.7859	0.5731
0.2122	0.9840	0.5583	1.9525	0.7941	0.5813	0.2415	0.9856	0.5380	2.0394	0.8141	0.6031
0.2370	0.9855	0.5365	2.0456	0.8156	0.6048	0.2793	0.9869	0.5208	2.1155	0.8308	0.6231
0.2664	0.9864	0.5271	2.0872	0.8248	0.6157	0.3083	0.9878	0.5085	2.1692	0.8421	0.6377
0.3073	0.9877	0.5106	2.1614	0.8407	0.6356	0.3463	0.9885	0.4989	2.2154	0.8515	0.6505
0.3620	0.9893	0.4908	2.2536	0.8593	0.6614	0.3912	0.9892	0.4877	2.2675	0.8618	0.6653
0.3987	0.9894	0.4840	2.2849	0.8653	0.6704	0.4206	0.9899	0.4774	2.3169	0.8712	0.6756
0.4700	0.9904	0.4727	2.3401	0.8757	0.6866	0.4613	0.9908	0.4670	2.3683	0.8807	0.6949
0.5092	0.9920	0.4527	2.4409	0.8938	0.7171	0.5386	0.9926	0.4444	2.4833	0.9009	0.7303
0.5486	0.9927	0.4408	2.5020	0.9042	0.7363	0.6164	0.9946	0.4231	2.5976	0.9194	0.7671
0.5861	0.9934	0.4308	2.5550	0.9128	0.7533	0.6594	0.9946	0.4086	2.6777	0.9316	0.7940
0.6258	0.9941	0.4227	2.5597	0.9199	0.7680	0.7045	0.9962	0.3873	2.8038	0.9496	0.8375
0.7057	0.9955	0.4037	2.7074	0.9361	0.8043	0.8427	0.9973	0.3702	2.9103	0.9637	0.8766
0.7458	0.9959	0.3950	2.7581	0.9434	0.8219	0.9092	0.9981	0.3580	2.9901	0.9736	0.9065
0.7790	0.9965	0.3857	2.8139	0.9511	0.8416	1.0093	0.9993	0.3425	3.0964	0.9861	0.9476
0.8224	0.9969	0.3792	2.8540	0.9565	0.8561	1.0834	0.9996	0.3347	3.1514	0.9922	0.9655
0.8611	0.9975	0.3704	2.9094	0.9637	0.8764	1.1648	0.9999	0.3300	3.1856	0.9959	0.9823
0.9362	0.9986	0.3530	3.0240	0.9778	0.9156	1.2512	1.0000	0.3280	3.2006	0.9975	0.9854
1.0261	0.9994	0.3410	3.1072	0.9875	0.9521	1.3137	1.0000	0.3273	3.2055	0.9980	0.9914
1.0918	0.9999	0.3357	3.1452	0.9917	0.9672	1.4053	1.0000	0.3269	3.2090	0.9984	0.9928
1.1820	1.0002	0.3306	3.1821	0.9957	0.9820	1.4727	1.0001	0.3265	3.2115	0.9987	0.9938
1.2651	1.0001	0.3287	3.1955	0.9972	0.9875	1.5644	1.0003	0.3262	3.2143	0.9990	0.9949
1.3411	1.0004	0.3275	3.2050	0.9982	0.9913	1.6444	1.0003	0.3257	3.2184	0.9994	0.9966
1.4320	1.0002	0.3269	3.2092	0.9986	0.9931	1.6517	1.0005	0.3257	3.2185	0.9994	0.9967
1.5080	1.0004	0.3267	3.2110	0.9988	0.9938	1.7076	1.0003	0.3253	3.2210	0.9997	0.9977
1.5941	1.0006	0.3263	3.2144	0.9992	0.9952						
1.6756	1.0006	0.3255	3.2175	0.9995	0.9965						
1.7450	1.0005	0.3254	3.2206	0.9998	0.9977						

DEL = 0.2635 DELU = .C400 DEL* = .1011 CM
 THETA = .01723 H = 5.868 UE = 652.5 M/SEC
 RHOE = 0.2050 KG/M**3 RUN = 4155

DEL = 0.2685 DELU = .0420 DEL* = .1029 CM
 THETA = .01711 H = 6.014 UE = 652.7 M/SEC
 RHOE = 0.2048 KG/M**3 RUN = 4156

MACH = 3.00	PO = 298.2 KPA	TO = 305.8 K	MACH = 3.00	PO = 298.3 KPA	TO = 305.8 K
ALPHA = 2.10	Z/D = 3.33	PHI = 210.	ALPHA = 2.10	Z/D = 3.33	PHI = 210.
RPM = 0.	PW = 5.98 KPA	REL = 7323796.	RPM = 20000.	PW = 5.98 KPA	REL = 7329775.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9190	0.9190	0.0000	0.0000	0.3535
0.0257	0.9609	0.7858	1.0556	0.5092	0.4138
0.0428	0.9658	0.7499	1.1998	0.5654	0.4326
0.0575	0.9698	0.7124	1.3442	0.6174	0.4562
0.0751	0.9731	0.6801	1.4677	0.6587	0.4780
0.1010	0.9770	0.6386	1.6279	0.7080	0.5051
0.1362	0.9802	0.6049	1.7613	0.7454	0.5275
0.1693	0.9824	0.5787	1.8675	0.7731	0.5518
0.2046	0.9850	0.5455	2.0055	0.8063	0.5756
0.2427	0.9865	0.5240	2.1308	0.8276	0.6204
0.2963	0.9878	0.5067	2.1788	0.8440	0.6416
0.3325	0.9892	0.4873	2.2695	0.8621	0.6671
0.4044	0.9902	0.4706	2.3498	0.8773	0.6907
0.4566	0.9915	0.4547	2.4296	0.8916	0.7145
0.5434	0.9927	0.4377	2.5179	0.9066	0.7427
0.5985	0.9931	0.4261	2.5793	0.9165	0.7626
0.6517	0.9941	0.4137	2.6484	0.9272	0.7855
0.6981	0.9952	0.4002	2.7268	0.9387	0.8124
0.7400	0.9961	0.3874	2.8027	0.9494	0.8351
0.7797	0.9967	0.3766	2.8693	0.9583	0.8631
0.8173	0.9973	0.3674	2.9281	0.9659	0.8845
0.8786	0.9978	0.3571	2.9952	0.9742	0.9102
0.9364	0.9982	0.3489	3.0510	0.9808	0.9317
1.0183	0.9987	0.3423	3.0963	0.9860	0.9494
1.1052	0.9992	0.3350	3.1485	0.9918	0.9702
1.2153	0.9994	0.3305	3.1785	0.9951	0.9823
1.2626	0.9996	0.3275	3.2031	0.9977	0.9923
1.3603	0.9995	0.3266	3.2097	0.9984	0.9950
1.4207	0.9997	0.3263	3.2121	0.9987	0.9960
1.5085	0.9996	0.3258	3.2155	0.9990	0.9974
1.5914	0.9996	0.3256	3.2173	0.9992	0.9981

DEL = 0.2652	DELU = 0.368	DEL** = 0.960 CM
THETA = 0.01672	M = 5.742	UE = 644.1 M/SEC
RHOE = 0.2094	KG/M**3	RUN = 3041

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9190	0.9190	0.0000	0.0000	0.3535
0.0672	0.9719	0.6902	1.4281	0.6457	0.4705
0.0912	0.9754	0.6535	1.5679	0.6899	0.4567
0.1134	0.9777	0.6291	1.6445	0.7184	0.5162
0.1377	0.9801	0.6017	1.7732	0.7485	0.5397
0.1622	0.9818	0.5810	1.8571	0.7703	0.5565
0.1981	0.9843	0.5515	1.9794	0.8001	0.5886
0.2363	0.9863	0.5263	2.0505	0.8252	0.6172
0.3040	0.9880	0.5038	2.1920	0.8466	0.6447
0.3768	0.9893	0.4836	2.2864	0.8652	0.6715
0.4409	0.9907	0.4658	2.3737	0.8915	0.6973
0.5146	0.9922	0.4446	2.4819	0.9004	0.7307
0.5702	0.9930	0.4300	2.5584	0.9130	0.7552
0.6260	0.9940	0.4153	2.6394	0.9256	0.7815
0.6798	0.9951	0.4021	2.7154	0.9369	0.8078
0.7315	0.9959	0.3897	2.7886	0.9472	0.8324
0.7858	0.9963	0.3782	2.8585	0.9567	0.8585
0.8428	0.9971	0.3682	2.9225	0.9650	0.8821
0.8981	0.9977	0.3582	2.9878	0.9731	0.9066
0.9491	0.9982	0.3501	3.0425	0.9796	0.9276
1.0316	0.9987	0.3395	3.1158	0.9880	0.9564
1.1074	0.9993	0.3323	3.1683	0.9938	0.9774
1.1954	0.9994	0.3286	3.1951	0.9967	0.9882
1.2762	0.9997	0.3271	3.2067	0.9979	0.9920
1.3549	0.9997	0.3263	3.2119	0.9985	0.9951
1.4411	0.9999	0.3255	3.2160	0.9989	0.9968
1.5245	0.9996	0.3255	3.2182	0.9991	0.9977
1.6013	0.9996	0.3251	3.2207	0.9994	0.9987

DEL = 0.2624	DELU = 0.382	DEL** = 0.964 CM
THETA = 0.01630	M = 5.912	UE = 644.1 M/SEC
RHOE = 0.2095	KG/M**3	RUN = 3042

MACH = 3.00	PO = 298.6 KPA	TO = 307.6 K	MACH = 3.00	PO = 298.7 KPA	TO = 307.7 K
ALPHA = 2.10	Z/D = 3.33	PHI = 240.	ALPHA = 2.10	Z/D = 3.33	PHI = 240.
RPM = 3.	PM = 6.06 KPA	REL = 7282668.	RPM = 20000.	PM = 6.05 KPA	REL = 7280363.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9190	0.9190	0.0000	0.0000	0.3526
0.0345	0.5618	0.7804	1.0780	0.6143	0.4545
0.0582	0.5654	0.7536	1.1855	0.6772	0.4886
0.0723	0.9685	0.7248	1.2565	0.6368	0.5106
0.1056	0.9754	0.6581	1.5528	0.6137	0.5255
0.1390	0.9795	0.6153	1.7204	0.5857	0.5550
0.1557	0.5810	0.5890	1.8242	0.5531	0.5876
0.1725	0.5831	0.5723	1.8947	0.5337	0.6085
0.2208	0.9863	0.5367	2.0466	0.5201	0.6251
0.2478	0.5866	0.5150	2.1398	0.4948	0.6571
0.2872	0.5883	0.4986	2.2160	0.4823	0.6740
0.3490	0.9901	0.4807	2.3016	0.4651	0.6951
0.4137	0.5916	0.4650	2.3794	0.4475	0.7264
0.4737	0.5918	0.4484	2.4616	0.4363	0.7452
0.5315	0.9931	0.4321	2.5477	0.4253	0.7642
0.5845	0.9944	0.4186	2.6224	0.4160	0.7818
0.6352	0.5953	0.4058	2.6952	0.4004	0.8120
0.6861	0.5956	0.3945	2.7604	0.3895	0.8326
0.7321	0.5962	0.3858	2.8126	0.3774	0.8510
0.7835	0.9976	0.3751	2.8807	0.3677	0.8640
0.8427	0.5972	0.3642	2.9477	0.3604	0.8820
0.9127	0.9980	0.3546	3.0121	0.3531	0.9204
0.9778	0.5985	0.3467	3.0658	0.3455	0.9357
1.0444	0.5990	0.3382	3.1256	0.3371	0.9637
1.1123	0.5992	0.3334	3.1598	0.3307	0.9860
1.2279	0.9995	0.3283	3.1568	0.3282	0.9906
1.3112	1.0003	0.3272	3.2074	0.3268	0.9991
1.4136	1.0001	0.3263	3.2133	0.3255	0.9996
1.5054	1.0001	0.3260	3.2154	0.3259	0.9998
1.5946	1.0002	0.3257	3.2174	0.3257	0.9985

CEL = 0.2380	DELU = 0.2335	DEL = 0.2355	DEL = 0.2355
THETA = 0.1457	M = 5.842	THETA = 0.1442	M = 6.087
RHOE = 0.2107 KG/M**3		RHOE = 0.2105 KG/M**3	

DEL = 0.0872 CM	UE = 645.7 M/SEC
RUN = 3053	

MACH = 3.00 PO = 298.5 KPA TO = 306.4 K
 ALPHA = 2.10 Z/D = 3.33 PHI = 270.
 RPM = 20000. PW = 6.39 KPA REL = 7324922.

Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9199	0.9200	0.0000	0.0000	0.3621
0.0000	0.9199	0.9200	0.0000	0.0000	0.3621
0.0379	0.9648	0.6904	1.4289	0.6502	0.4823
0.0542	0.9671	0.6546	1.5668	0.6942	0.5088
0.0704	0.9709	0.6276	1.6716	0.7252	0.5306
0.0921	0.9741	0.5959	1.7981	0.7601	0.5565
0.1112	0.9767	0.5706	1.9015	0.7866	0.5837
0.1275	0.9787	0.5428	2.0192	0.8147	0.6116
0.1576	0.9812	0.5107	2.1613	0.8458	0.6521
0.1850	0.9830	0.4882	2.2658	0.8670	0.6822
0.2182	0.9854	0.4748	2.3305	0.8794	0.7015
0.2519	0.9871	0.4615	2.3561	0.8914	0.7217
0.2826	0.9884	0.4464	2.4729	0.9048	0.7461
0.3392	0.9901	0.4347	2.5345	0.9151	0.7661
0.3958	0.9910	0.4217	2.6054	0.9265	0.7859
0.4527	0.9919	0.4105	2.6664	0.9358	0.8108
0.5155	0.9927	0.4013	2.7213	0.9439	0.8301
0.5643	0.9937	0.3921	2.7759	0.9517	0.8457
0.6190	0.9945	0.3838	2.8257	0.9586	0.8679
0.6595	0.9952	0.3735	2.8873	0.9668	0.8908
0.6971	0.9960	0.3640	2.9514	0.9750	0.9153
0.7382	0.9967	0.3566	3.0300	0.9810	0.9341
0.8235	0.9978	0.3498	3.0460	0.9865	0.9522
0.9165	0.9986	0.3388	3.0536	0.9920	0.9713
0.9755	0.9990	0.3358	3.1437	0.9954	0.9833
1.0289	0.9995	0.3341	3.1565	0.9992	0.9970
1.0974	1.0001	0.3335	3.1608	0.9995	0.9988
1.1783	1.0005	0.3332	3.1628	0.9998	0.9996
1.2883	1.0005				
1.3862	1.0003				
1.4752	1.0005				
1.5738	1.0007				

DEL = 0.2126 DELU = 0.313
 THETA = 0.1304 H = 5.845
 RHOE = 0.2178 KG/M**3

MACH = 3.00 PO = 298.3 KPA TO = 306.3 K
 ALPHA = 2.10 Z/D = 3.33 PHI = 270.
 RPM = 0. PW = 6.38 KPA REL = 7325158.

Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9199	0.9199	0.0000	0.0000	0.3617
0.0379	0.9648	0.7646	1.1440	0.5479	0.4352
0.0542	0.9671	0.7446	1.2225	0.5778	0.4465
0.0704	0.9709	0.7085	1.3608	0.6274	0.4696
0.0921	0.9741	0.6788	1.4750	0.6656	0.4903
0.1112	0.9767	0.6512	1.5808	0.6987	0.5110
0.1275	0.9787	0.6293	1.6660	0.7239	0.5288
0.1576	0.9812	0.6001	1.7819	0.7561	0.5545
0.1850	0.9830	0.5762	1.8790	0.7813	0.5775
0.2182	0.9854	0.5484	1.9962	0.8097	0.6068
0.2519	0.9871	0.5268	2.0903	0.8309	0.6318
0.2826	0.9884	0.5114	2.1596	0.8458	0.6509
0.3392	0.9901	0.4875	2.2686	0.8679	0.6822
0.3958	0.9910	0.4759	2.3264	0.8789	0.6954
0.4527	0.9919	0.4633	2.3883	0.8903	0.7184
0.5155	0.9927	0.4518	2.4465	0.9006	0.7367
0.5643	0.9937	0.4374	2.5219	0.9134	0.7610
0.6190	0.9945	0.4253	2.5867	0.9239	0.7826
0.6595	0.9952	0.4145	2.6468	0.9332	0.8030
0.6971	0.9960	0.4048	2.7026	0.9416	0.8225
0.7382	0.9967	0.3941	2.7651	0.9506	0.8447
0.8235	0.9978	0.3858	2.8146	0.9575	0.8627
0.9165	0.9986	0.3746	2.8838	0.9667	0.8884
0.9755	0.9990	0.3640	2.9524	0.9755	0.9145
1.0289	0.9995	0.3555	3.0059	0.9821	0.9353
1.0974	1.0001	0.3405	3.0615	0.9887	0.9572
1.1783	1.0005	0.3368	3.1092	0.9942	0.9765
1.2883	1.0005	0.3343	3.1390	0.9975	0.9886
1.3862	1.0003	0.3336	3.1566	0.9995	0.9958
1.4752	1.0005	0.3334	3.1613	1.0000	0.9978
1.5738	1.0007	0.3333	3.1630	1.0002	0.9985
			3.1639	1.0003	0.9989

DEL = 0.2086 DELU = 0.257 DEL* = 0.0754 CM
 THETA = 0.1325 H = 5.692 UE = 640.5 M/SEC
 RHOE = 0.2177 KG/M**3 RUN = 3062

MACH = 3.00	PO = 298.3 KPA	TO = 308.8 K	MACH = 3.00	PO = 298.2 KPA	TO = 309.1 K
ALPHA = 4.20	Z/D = 3.33	PHI = 60.	ALPHA = 4.20	Z/D = 3.33	PHI = 60.
RPM = 0.	PW = 6.75 KPA	REL = 7235055.	RPM = 20000.	PW = 6.75 KPA	REL = 7228607.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
C.0030	C.9206	C.9206	0.0000	0.0000	0.3677
C.0442	C.9587	C.9587	1.1690	0.5599	0.4463
C.0722	C.9679	C.9679	1.2395	0.5866	0.4572
C.0940	C.9716	C.9716	1.3689	0.6329	0.4790
C.1315	C.9763	C.9763	1.5543	0.6935	0.5143
C.1534	C.9789	C.9789	1.6642	0.7270	0.5378
C.1796	C.9815	C.9815	1.7777	0.7581	0.5630
C.2059	C.9838	C.9838	1.8975	0.7892	0.5915
C.2480	C.9865	C.9865	2.0430	0.8240	0.6259
C.2797	C.9877	C.9877	2.1244	0.8418	0.6520
C.3020	C.9891	C.9891	2.1985	0.8574	0.6732
C.3243	C.9898	C.9898	2.2575	0.8693	0.6905
C.3655	C.9910	C.9910	2.3290	0.8831	0.7122
C.4339	C.9922	C.9922	2.3976	0.8957	0.7326
C.4962	C.9927	C.9927	2.4515	0.9052	0.7509
C.5555	C.9938	C.9938	2.5198	0.9169	0.7734
C.6082	C.9944	C.9944	2.5818	0.9270	0.7943
C.6680	C.9951	C.9951	2.6425	0.9364	0.8152
C.7412	C.9959	C.9959	2.7121	0.9469	0.8400
C.8015	C.9965	C.9965	2.7712	0.9554	0.8614
C.8485	C.9974	C.9974	2.8286	0.9633	0.8827
C.9037	C.9982	C.9982	2.8876	0.9712	0.9031
C.9564	C.9988	C.9988	2.9515	0.9794	0.9258
C.0072	C.9991	C.9991	3.0035	0.9858	0.9504
C.0450	C.9995	C.9995	3.0442	0.9907	0.9667
C.0812	C.9999	C.9999	3.0941	0.9956	0.9870
C.1298	C.0003	C.0003	3.1140	0.9988	0.9952
C.1626	C.0003	C.0003	3.1198	0.9995	0.9976
C.2038	C.0003	C.0003	3.1213	0.9997	0.9982
C.2438	C.0003	C.0003	3.1214	0.9997	0.9983
C.2827	C.0002	C.0002	3.1227	0.9998	0.9988

DEL = 0.1787	DELU = 0.260	DEL** = 0.635 CM
THETA = 0.1137	M = 5.626	UE = 640.5 M/SEC
RHOE = 0.2260	KG/M**3	RUN = 3056

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
C.0000	C.9207	C.9207	0.0000	0.0000	0.3680
C.1051	C.9722	C.9722	1.4124	0.6478	0.4872
C.1267	C.9759	C.9759	1.5432	0.6901	0.5124
C.1638	C.9791	C.9791	1.6503	0.7339	0.5435
C.1855	C.9820	C.9820	1.8140	0.7678	0.5720
C.2135	C.9835	C.9835	1.9238	0.7957	0.5989
C.2384	C.9858	C.9858	2.0133	0.8171	0.6222
C.2572	C.9872	C.9872	2.0837	0.8330	0.6412
C.2980	C.9886	C.9886	2.1926	0.8562	0.6715
C.3385	C.9902	C.9902	2.2823	0.8740	0.6981
C.3830	C.9911	C.9911	2.3426	0.8857	0.7169
C.4475	C.9915	C.9915	2.4034	0.8968	0.7360
C.4928	C.9926	C.9926	2.4506	0.9051	0.7511
C.5578	C.9936	C.9936	2.5170	0.9164	0.7720
C.6166	C.9942	C.9942	2.5859	0.9277	0.7943
C.6591	C.9950	C.9950	2.6445	0.9449	0.8257
C.7051	C.9956	C.9956	2.6985	0.9671	0.8667
C.7809	C.9967	C.9967	2.7839	0.9572	0.8936
C.8504	C.9975	C.9975	2.8558	0.9739	0.9135
C.8970	C.9980	C.9980	2.9079	0.9739	0.9135
C.9503	C.9985	C.9985	2.9567	0.9801	0.9225
C.0072	C.9989	C.9989	3.0015	0.9857	0.9502
C.0742	C.9994	C.9994	3.0485	0.9919	0.9711
C.1553	C.9996	C.9996	3.0837	0.9954	0.9835
C.12809	C.9999	C.9999	3.1111	0.9985	0.9947
C.13869	C.9999	C.9999	3.1178	0.9993	0.9975
C.15005	C.0002	C.0002	3.1208	0.9996	0.9987
C.16201	C.0000	C.0000	3.1217	0.9997	0.9991
C.17153	C.0000	C.0000	3.1229	0.9999	0.9996

DEL = 0.1811	DELL = 0.0283	DEL** = 0.651 CM
THETA = 0.1008	M = 5.926	UE = 640.5 M/SEC
RHOE = 0.2258	KG/M**3	RUN = 3057

MACH = 3.00 ALPHA = 4.20 RPM = 20000				PO = 298.0 KPA Z/D = 3.33 PW = 6.05 KPA				TO = 306.8 K PHI = 90 REL = 7297696				MACH = 3.00 ALPHA = 4.20 RPM = 20000				PO = 298.1 KPA Z/D = 3.33 PW = 6.09 KPA				TO = 306.5 K PHI = 90 REL = 7294001			
Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHGE	Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHGE	Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHGE	Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHGE
0.0000	0.5193	0.9193	0.0000	0.0000	0.3563	0.0000	0.5193	0.9193	0.0000	0.0000	0.3561	0.0000	0.5193	0.9193	0.0000	0.0000	0.3561	0.0000	0.5193	0.9193	0.0000	0.0000	0.3561
0.0402	0.5641	0.7607	1.1562	0.5500	0.4306	0.1049	0.9751	0.6595	1.5470	0.6851	0.4963	0.1049	0.9751	0.6595	1.5470	0.6851	0.4963	0.1049	0.9751	0.6595	1.5470	0.6851	0.4963
0.0536	0.5666	0.7436	1.2246	0.5760	0.4405	0.1126	0.9776	0.6323	1.6525	0.7166	0.5177	0.1126	0.9776	0.6323	1.6525	0.7166	0.5177	0.1126	0.9776	0.6323	1.6525	0.7166	0.5177
0.0724	0.5703	0.7102	1.3532	0.6220	0.4612	0.1438	0.9791	0.6153	1.7194	0.7355	0.5320	0.1438	0.9791	0.6153	1.7194	0.7355	0.5320	0.1438	0.9791	0.6153	1.7194	0.7355	0.5320
0.0885	0.5732	0.6813	1.4637	0.6590	0.4808	0.1522	0.9807	0.5969	1.7930	0.7554	0.5484	0.1522	0.9807	0.5969	1.7930	0.7554	0.5484	0.1522	0.9807	0.5969	1.7930	0.7554	0.5484
0.1100	0.5760	0.6540	1.5690	0.6920	0.5005	0.1717	0.9823	0.5776	1.8717	0.7757	0.5667	0.1717	0.9823	0.5776	1.8717	0.7757	0.5667	0.1717	0.9823	0.5776	1.8717	0.7757	0.5667
0.1262	0.5782	0.6296	1.6638	0.7200	0.5203	0.1885	0.9834	0.5614	1.9538	0.7923	0.5830	0.1885	0.9834	0.5614	1.9538	0.7923	0.5830	0.1885	0.9834	0.5614	1.9538	0.7923	0.5830
0.1506	0.5801	0.6081	1.7490	0.7438	0.5387	0.2166	0.9851	0.5422	2.0212	0.8116	0.6037	0.2166	0.9851	0.5422	2.0212	0.8116	0.6037	0.2166	0.9851	0.5422	2.0212	0.8116	0.6037
0.1668	0.5818	0.5880	1.8299	0.7653	0.5572	0.2308	0.9862	0.5276	2.0849	0.8258	0.6204	0.2308	0.9862	0.5276	2.0849	0.8258	0.6204	0.2308	0.9862	0.5276	2.0849	0.8258	0.6204
0.1831	0.5831	0.5695	1.9056	0.7844	0.5751	0.2594	0.9878	0.5093	2.1674	0.8434	0.6428	0.2594	0.9878	0.5093	2.1674	0.8434	0.6428	0.2594	0.9878	0.5093	2.1674	0.8434	0.6428
0.2132	0.5850	0.5486	1.9945	0.8057	0.5972	0.3081	0.9890	0.4902	2.2554	0.8612	0.6677	0.3081	0.9890	0.4902	2.2554	0.8612	0.6677	0.3081	0.9890	0.4902	2.2554	0.8612	0.6677
0.2212	0.5859	0.5345	2.0550	0.8194	0.6128	0.3541	0.9901	0.4756	2.3254	0.8746	0.6882	0.3541	0.9901	0.4756	2.3254	0.8746	0.6882	0.3541	0.9901	0.4756	2.3254	0.8746	0.6882
0.2521	0.5874	0.5176	2.1304	0.8359	0.6330	0.4118	0.9909	0.4633	2.3865	0.8858	0.7066	0.4118	0.9909	0.4633	2.3865	0.8858	0.7066	0.4118	0.9909	0.4633	2.3865	0.8858	0.7066
0.2687	0.5884	0.5062	2.1824	0.8468	0.6473	0.4611	0.9917	0.4522	2.4416	0.8955	0.7236	0.4611	0.9917	0.4522	2.4416	0.8955	0.7236	0.4611	0.9917	0.4522	2.4416	0.8955	0.7236
0.3189	0.5896	0.4865	2.2742	0.8651	0.6734	0.5118	0.9924	0.4416	2.4974	0.9050	0.7412	0.5118	0.9924	0.4416	2.4974	0.9050	0.7412	0.5118	0.9924	0.4416	2.4974	0.9050	0.7412
0.3749	0.5910	0.4705	2.3519	0.8797	0.6964	0.5543	0.9934	0.4295	2.5600	0.9133	0.7615	0.5543	0.9934	0.4295	2.5600	0.9133	0.7615	0.5543	0.9934	0.4295	2.5600	0.9133	0.7615
0.4195	0.5918	0.4585	2.4114	0.8905	0.7146	0.6129	0.9944	0.4184	2.6234	0.9253	0.7826	0.6129	0.9944	0.4184	2.6234	0.9253	0.7826	0.6129	0.9944	0.4184	2.6234	0.9253	0.7826
0.4791	0.5925	0.4454	2.4784	0.9021	0.7355	0.6511	0.9948	0.4085	2.6790	0.9337	0.8015	0.6511	0.9948	0.4085	2.6790	0.9337	0.8015	0.6511	0.9948	0.4085	2.6790	0.9337	0.8015
0.5155	0.5935	0.4335	2.5397	0.9123	0.7552	0.7071	0.9953	0.3961	2.7501	0.9440	0.8262	0.7071	0.9953	0.3961	2.7501	0.9440	0.8262	0.7071	0.9953	0.3961	2.7501	0.9440	0.8262
0.5642	0.5942	0.4214	2.6071	0.9230	0.7775	0.7515	0.9960	0.3877	2.8011	0.9511	0.8443	0.7515	0.9960	0.3877	2.8011	0.9511	0.8443	0.7515	0.9960	0.3877	2.8011	0.9511	0.8443
0.6127	0.5950	0.4093	2.6749	0.9333	0.8004	0.7930	0.9967	0.3795	2.8491	0.9576	0.8617	0.7930	0.9967	0.3795	2.8491	0.9576	0.8617	0.7930	0.9967	0.3795	2.8491	0.9576	0.8617
0.6613	0.5957	0.3985	2.7376	0.9425	0.8222	0.8345	0.9972	0.3717	2.9009	0.9644	0.8808	0.8345	0.9972	0.3717	2.9009	0.9644	0.8808	0.8345	0.9972	0.3717	2.9009	0.9644	0.8808
0.7101	0.5963	0.3893	2.7920	0.9501	0.8415	0.8735	0.9975	0.3644	2.9477	0.9703	0.8984	0.8735	0.9975	0.3644	2.9477	0.9703	0.8984	0.8735	0.9975	0.3644	2.9477	0.9703	0.8984
0.7677	0.5970	0.3784	2.8593	0.9592	0.8659	0.9124	0.9980	0.3565	2.9994	0.9767	0.9181	0.9124	0.9980	0.3565	2.9994	0.9767	0.9181	0.9124	0.9980	0.3565	2.9994	0.9767	0.9181
0.8198	0.5977	0.3695	2.9129	0.9662	0.8857	0.9515	0.9985	0.3490	3.0502	0.9827	0.9378	0.9515	0.9985	0.3490	3.0502	0.9827	0.9378	0.9515	0.9985	0.3490	3.0502	0.9827	0.9378
0.8775	0.5983	0.3616	2.9672	0.9730	0.9062	1.0159	0.9991	0.3425	3.0962	0.9880	0.9559	1.0159	0.9991	0.3425	3.0962	0.9880	0.9559	1.0159	0.9991	0.3425	3.0962	0.9880	0.9559
0.9450	0.5986	0.3550	3.0239	0.9799	0.9280	1.0873	0.9994	0.3372	3.1334	0.9922	0.9708	1.0873	0.9994	0.3372	3.1334	0.9922	0.9708	1.0873	0.9994	0.3372	3.1334	0.9922	0.9708
1.0183	0.5990	0.3445	3.0817	0.9866	0.9507	1.2031	0.9996	0.3317	3.1732	0.9966	0.9865	1.2031	0.9996	0.3317	3.1732	0.9966	0.9865	1.2031	0.9996	0.3317	3.1732	0.9966	0.9865
1.0566	0.5999	0.3361	3.1423	0.9935	0.9749	1.2964	0.9999	0.3255	3.1892	0.9983	0.9935	1.2964	0.9999	0.3255	3.1892	0.9983	0.9935	1.2964	0.9999	0.3255	3.1892	0.9983	0.9935
1.1662	0.5999	0.3315	3.1749	0.9970	0.9881	1.4120	0.9999	0.3284	3.1975	0.9992	0.9965	1.4120	0.9999	0.3284	3.1975	0.9992	0.9965	1.4120	0.9999	0.3284	3.1975	0.9992	0.9965
1.2690	0.6001	0.3255	3.1900	0.9986	0.9943	1.5027	1.0000	0.3203	3.2006	0.9995	0.9982	1.5027	1.0000	0.3203	3.2006	0.9995	0.9982	1.5027	1.0000	0.3203	3.2006	0.9995	0.9982
1.3630	1.0002	0.3281	3.2003	0.9998	0.9985	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989
1.4663	1.0003	0.3280	3.2013	0.9999	0.9989	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989	1.6123	1.0000	0.3213	3.2013	0.9999	0.9989
1.5698	1.0002	0.3277	3.2030	1.0000	0.9997																		

CEL	DEL	DELL	CEL	DEL	DELL
0.2107	0.0292	0.0741	0.2048	0.0299	0.0743
0.01277	5.800	643.7	0.01223	6.072	643.5
0.2110	KG/M**2	RUN = 3066	0.2111	KG/M**2	RUN = 3067

MACH = 3.00 PO = 258.6 KPA TO = 307.6 K DEL = 0.2375 DELL = 0.0335 DEL* = 0.0908 CM
 ALPHA = 4.20 Z/D = 3.33 PHI = 120. THETA = 0.1471 H = 6.174 UE = 646.4 M/SEC
 RPM = 2000. PW = 5.65 KPA REL = 7368740. RHOE = 0.2036 KG/M**3 RUN = 3015

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9179	0.9179	0.0000	0.0000	0.3442	0.0000	0.9183	0.9183	0.0000	0.3478	0.3478
0.0296	0.9614	0.7756	1.0942	0.5241	0.4074	0.0731	0.9732	0.6730	0.6623	0.4746	0.4746
0.0369	0.9630	0.7615	1.1501	0.5459	0.4148	0.0892	0.9757	0.6446	0.6957	0.4955	0.4955
0.0341	0.9688	0.7208	1.3115	0.6054	0.4385	0.1052	0.9771	0.6315	0.7106	0.5059	0.5059
0.0787	0.9726	0.6866	1.4432	0.6501	0.4605	0.1223	0.9795	0.6033	0.7658	0.5252	0.5252
0.0955	0.9761	0.6522	1.5756	0.6918	0.4848	0.1535	0.9820	0.5695	0.7766	0.5607	0.5607
0.1254	0.9793	0.6237	1.6882	0.7246	0.5072	0.1697	0.9826	0.5613	0.7849	0.5685	0.5685
0.1826	0.9841	0.5690	1.9098	0.7829	0.5561	0.1951	0.9841	0.5407	0.8052	0.5904	0.5904
0.2324	0.9865	0.5355	2.0513	0.8160	0.5905	0.2322	0.9862	0.5130	0.8318	0.6222	0.6222
0.2673	0.9889	0.5133	2.1524	0.8379	0.6167	0.2624	0.9869	0.4991	0.8447	0.6354	0.6354
0.3049	0.9904	0.4997	2.2159	0.8508	0.6338	0.3206	0.9879	0.4821	0.8603	0.6615	0.6615
0.3552	0.9916	0.4857	2.2821	0.8638	0.6522	0.3842	0.9891	0.4655	0.8753	0.6854	0.6854
0.4159	0.9928	0.4691	2.3627	0.8789	0.6753	0.4475	0.9903	0.4489	0.8900	0.7108	0.7108
0.4743	0.9946	0.4526	2.4470	0.8939	0.7003	0.5025	0.9911	0.4317	0.9049	0.7385	0.7385
0.5407	0.9960	0.4346	2.5413	0.9096	0.7294	0.5502	0.9918	0.4186	0.9161	0.7618	0.7618
0.5946	0.9975	0.4225	2.6090	0.9203	0.7505	0.6244	0.9928	0.4011	0.9308	0.7945	0.7945
0.6719	0.9989	0.4048	2.7088	0.9353	0.7838	0.6726	0.9937	0.3884	0.9414	0.8205	0.8205
0.7264	1.0007	0.3935	2.7753	0.9448	0.8064	0.7282	0.9942	0.3771	0.9507	0.8454	0.8454
0.7837	1.0015	0.3811	2.8527	0.9553	0.8324	0.8305	0.9954	0.3590	0.9654	0.8880	0.8880
0.8860	1.0029	0.3628	2.9702	0.9703	0.8758	0.9055	0.9962	0.3457	0.9760	0.9221	0.9221
0.9771	1.0040	0.3476	3.0727	0.9824	0.9141	0.9804	0.9968	0.3364	0.9834	0.9476	0.9476
1.0376	1.0052	0.3372	3.1476	0.9909	0.9425	1.0775	0.9970	0.3272	0.9905	0.9738	0.9738
1.1410	1.0057	0.3297	3.2020	0.9967	0.9644	1.1505	0.9971	0.3232	0.9937	0.9855	0.9855
1.2461	1.0059	0.3254	3.2339	1.0001	0.9771	1.2410	0.9974	0.3212	0.9953	0.9921	0.9921
1.3272	1.0062	0.3240	3.2449	1.0012	0.9815	1.3241	0.9973	0.3201	0.9961	0.9952	0.9952
1.4247	1.0066	0.3230	3.2529	1.0020	0.9847	1.3947	0.9969	0.3195	0.9965	0.9970	0.9970
1.5143	1.0067	0.3224	3.2576	1.0025	0.9867	1.4907	0.9966	0.3188	0.9969	0.9966	0.9966
1.6041	1.0070	0.3223	3.2592	1.0027	0.9872	1.5535	0.9965	0.3184	0.9973	0.9955	0.9955
1.6992	1.0071	0.3218	3.2632	1.0031	0.9885	1.6526	0.9963	0.3177	0.9977	1.0017	1.0017
1.7920	1.0078	0.3215	3.2673	1.0035	0.9906						

DEL = 0.2375 DELL = 0.0335 DEL* = 0.0908 CM
 THETA = 0.1471 H = 6.174 UE = 646.4 M/SEC
 RHOE = 0.2036 KG/M**3 RUN = 3015

MACH = 3.00 ALPHA = 4.20 RPM = 20000.				PO = 298.6 KPA Z/D = 3.33 PM = 5.65 KPA				TO = 306.7 K PMI = 150. REL = 7382667.			
Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE	Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE
0.0000	0.5175	0.9175	0.0000	0.0000	0.3441	0.0000	0.5175	0.9175	0.0000	0.0000	0.3441
0.0000	0.0696	0.9693	0.7035	0.7035	0.4424	0.0000	0.0696	0.9693	0.7035	0.7035	0.4424
0.0032	0.9718	0.6778	1.4726	0.6583	0.4655	0.0032	0.9718	0.6778	1.4726	0.6583	0.4655
0.0965	0.9733	0.6587	1.5454	0.6811	0.4788	0.0965	0.9733	0.6587	1.5454	0.6811	0.4788
0.1086	0.5755	0.6381	1.6258	0.7052	0.4944	0.1086	0.5755	0.6381	1.6258	0.7052	0.4944
0.1281	0.9776	0.6142	1.7202	0.7320	0.5137	0.1281	0.9776	0.6142	1.7202	0.7320	0.5137
0.1772	0.9796	0.5890	1.8208	0.7588	0.5355	0.1772	0.9796	0.5890	1.8208	0.7588	0.5355
0.2368	0.9819	0.5638	1.9256	0.7851	0.5556	0.2368	0.9819	0.5638	1.9256	0.7851	0.5556
0.2562	0.9834	0.5427	2.0148	0.8060	0.5812	0.2562	0.9834	0.5427	2.0148	0.8060	0.5812
0.3235	0.9858	0.5206	2.1140	0.8279	0.6062	0.3235	0.9858	0.5206	2.1140	0.8279	0.6062
0.3740	0.9869	0.5014	2.2003	0.8459	0.6253	0.3740	0.9869	0.5014	2.2003	0.8459	0.6253
0.4284	0.9888	0.4856	2.2753	0.8607	0.6455	0.4284	0.9888	0.4856	2.2753	0.8607	0.6455
0.4730	0.9902	0.4681	2.3616	0.8768	0.6746	0.4730	0.9902	0.4681	2.3616	0.8768	0.6746
0.5279	0.9917	0.4556	2.4255	0.8882	0.6935	0.5279	0.9917	0.4556	2.4255	0.8882	0.6935
0.5795	0.9929	0.4404	2.5048	0.9017	0.7177	0.5795	0.9929	0.4404	2.5048	0.9017	0.7177
0.5943	0.9943	0.4278	2.5735	0.9128	0.7352	0.5943	0.9943	0.4278	2.5735	0.9128	0.7352
0.6202	0.9953	0.4155	2.6414	0.9233	0.7611	0.6202	0.9953	0.4155	2.6414	0.9233	0.7611
0.6697	0.9965	0.4038	2.7089	0.9333	0.7835	0.6697	0.9965	0.4038	2.7089	0.9333	0.7835
0.7195	0.9976	0.3924	2.7771	0.9430	0.8066	0.7195	0.9976	0.3924	2.7771	0.9430	0.8066
0.7659	0.9986	0.3823	2.8397	0.9515	0.8284	0.7659	0.9986	0.3823	2.8397	0.9515	0.8284
0.8169	0.9994	0.3721	2.9036	0.9598	0.8511	0.8169	0.9994	0.3721	2.9036	0.9598	0.8511
0.8675	1.0019	0.3635	2.9631	0.9673	0.8727	0.8675	1.0019	0.3635	2.9631	0.9673	0.8727
0.9063	1.0021	0.3554	3.0160	0.9737	0.8924	0.9063	1.0021	0.3554	3.0160	0.9737	0.8924
0.9575	1.0030	0.3473	3.0721	0.9803	0.9135	0.9575	1.0030	0.3473	3.0721	0.9803	0.9135
1.0255	1.0038	0.3380	3.1380	0.9877	0.9388	1.0255	1.0038	0.3380	3.1380	0.9877	0.9388
1.0944	1.0042	0.3305	3.1897	0.9933	0.9591	1.0944	1.0042	0.3305	3.1897	0.9933	0.9591
1.1610	1.0047	0.3235	3.2445	0.9969	0.9725	1.1610	1.0047	0.3235	3.2445	0.9969	0.9725
1.2320	1.0051	0.3222	3.2556	1.0002	0.9854	1.2320	1.0051	0.3222	3.2556	1.0002	0.9854
1.3116	1.0051	0.3216	3.2599	1.0006	0.9872	1.3116	1.0051	0.3216	3.2599	1.0006	0.9872
1.3721	1.0051	0.3208	3.2645	1.0011	0.9891	1.3721	1.0051	0.3208	3.2645	1.0011	0.9891
1.4434	1.0044	0.3202	3.2683	1.0015	0.9906	1.4434	1.0044	0.3202	3.2683	1.0015	0.9906
1.5323	1.0045	0.3198	3.2716	1.0018	0.9915	1.5323	1.0045	0.3198	3.2716	1.0018	0.9915
1.6085	1.0051	0.3195	3.2754	1.0022	0.9934	1.6085	1.0051	0.3195	3.2754	1.0022	0.9934
1.6740	1.0051	0.3195	3.2754	1.0022	0.9934	1.6740	1.0051	0.3195	3.2754	1.0022	0.9934

MACH = 3.00 ALPHA = 4.20 RPM = 20000.				PO = 298.6 KPA Z/D = 3.33 PM = 5.65 KPA				TO = 305.2 K PMI = 150. REL = 7328567.			
Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE	Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE
0.0000	0.5181	0.9181	0.0000	0.0000	0.3460	0.0000	0.5181	0.9181	0.0000	0.0000	0.3460
0.0255	0.5593	0.7908	1.0322	0.4955	0.4018	0.0255	0.5593	0.7908	1.0322	0.4955	0.4018
0.0367	0.5627	0.7651	1.1361	0.5364	0.4152	0.0367	0.5627	0.7651	1.1361	0.5364	0.4152
0.0492	0.5672	0.7283	1.2807	0.5900	0.4362	0.0492	0.5672	0.7283	1.2807	0.5900	0.4362
0.0612	0.5710	0.6912	1.4228	0.6386	0.4555	0.0612	0.5710	0.6912	1.4228	0.6386	0.4555
0.0740	0.5740	0.6586	1.5475	0.6780	0.4822	0.0740	0.5740	0.6586	1.5475	0.6780	0.4822
0.0818	0.5765	0.6318	1.6515	0.7088	0.5026	0.0818	0.5765	0.6318	1.6515	0.7088	0.5026
0.0923	0.5785	0.6070	1.7495	0.7360	0.5231	0.0923	0.5785	0.6070	1.7495	0.7360	0.5231
0.1018	0.5821	0.5810	1.9373	0.7836	0.5658	0.1018	0.5821	0.5810	1.9373	0.7836	0.5658
0.1118	0.5840	0.5600	2.0274	0.8045	0.5875	0.1118	0.5840	0.5600	2.0274	0.8045	0.5875
0.1218	0.5854	0.5191	2.1192	0.8245	0.6115	0.1218	0.5854	0.5191	2.1192	0.8245	0.6115
0.1317	0.5868	0.5005	2.2024	0.8417	0.6337	0.1317	0.5868	0.5005	2.2024	0.8417	0.6337
0.1414	0.5878	0.4845	2.2789	0.8567	0.6550	0.1414	0.5878	0.4845	2.2789	0.8567	0.6550
0.1514	0.5887	0.4687	2.3552	0.8709	0.6770	0.1514	0.5887	0.4687	2.3552	0.8709	0.6770
0.1614	0.5895	0.4525	2.4369	0.8854	0.7013	0.1614	0.5895	0.4525	2.4369	0.8854	0.7013
0.1712	0.5909	0.4381	2.5117	0.8979	0.7242	0.1712	0.5909	0.4381	2.5117	0.8979	0.7242
0.1812	0.5926	0.4257	2.5781	0.9086	0.7453	0.1812	0.5926	0.4257	2.5781	0.9086	0.7453
0.1912	0.5943	0.4122	2.6527	0.9200	0.7655	0.1912	0.5943	0.4122	2.6527	0.9200	0.7655
0.2012	0.5960	0.4026	2.7067	0.9280	0.7876	0.2012	0.5960	0.4026	2.7067	0.9280	0.7876
0.2112	0.5972	0.3905	2.7785	0.9381	0.8120	0.2112	0.5972	0.3905	2.7785	0.9381	0.8120
0.2212	0.5984	0.3830	2.8230	0.9441	0.8276	0.2212	0.5984	0.3830	2.8230	0.9441	0.8276
0.2312	0.5993	0.3762	2.8664	0.9499	0.8429	0.2312	0.5993	0.3762	2.8664	0.9499	0.8429
0.2412	0.6000	0.3700	2.9052	0.9549	0.8565	0.2412	0.6000	0.3700	2.9052	0.9549	0.8565
0.2512	0.6014	0.3638	2.9452	0.9599	0.8714	0.2512	0.6014	0.3638	2.9452	0.9599	0.8714
0.2612	0.6026	0.3553	3.0143	0.9683	0.8971	0.2612	0.6026	0.3553	3.0143	0.9683	0.8971
0.2712	0.6034	0.3454	3.0688	0.9746	0.9177	0.2712	0.6034	0.3454	3.0688	0.9746	0.9177
0.2812	0.6041	0.3372	3.1258	0.9810	0.9357	0.2812	0.6041	0.3372	3.1258	0.9810	0.9357
0.2912	0.6046	0.3288	3.1860	0.9876	0.9634	0.2912	0.6046	0.3288	3.1860	0.9876	0.9634
0.3012	0.6050	0.3241	3.2203	0.9912	0.9771	0.3012	0.6050	0.3241	3.2203	0.9912	0.9771
0.3112	0.6054	0.3195	3.2520	0.9945	0.9895	0.3112	0.6054	0.3195	3.2520	0.9945	0.9895
0.3212	0.6058	0.3182	3.2640	0.9957	0.9947	0.3212	0.6058	0.3182	3.2640	0.9957	0.9947
0.3312	0.6062	0.3175	3.2690	0.9962	0.9968	0.3312	0.6062	0.3175	3.2690	0.9962	0.9968
0.3412	0.6066	0.3172	3.2716	0.9965	0.9978	0.3412	0.6066	0.3172	3.2716	0.9965	0.9978
0.3512	0.6069	0.3167	3.2749	0.9968	0.9985	0.3512	0.6069	0.3167	3.2749	0.9968	0.9985
0.3612	0.6071	0.3159	3.2808	0.9974	1.0016	0.3612	0.6071	0.3159	3.2808	0.9974	1.0016
0.3712	0.6073	0.3154	3.2848	0.9978	1.0032	0.3712	0.6073	0.3154	3.2848	0.9978	1.0032

MACH = 3.00 ALPHA = 4.20 RPM = 20000.				PO = 298.6 KPA Z/D = 3.33 PM = 5.65 KPA				TO = 306.7 K PMI = 150. REL = 7382667.			
Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE	Y/DEL	TT/TU	T/TU	M	U/UE	RHO/RHOE
0.0000	0.5181	0.9181	0.0000	0.0000	0.3460	0.0000	0.5181	0.9181	0.0000	0.0000	0.3460
0.0255	0.5593	0.7908	1.0322	0.4955	0.4018	0.0255	0.5593	0.7908	1.0322	0.4955	0.4018
0.0367	0.5627	0.7651	1.1361	0.5364	0.4152	0.0367	0.5627	0.7651	1.1361	0.5364	0.4152
0.0492	0.5672	0.7283	1.2807	0.5900	0.4362	0.0492	0.5672	0.7283	1.2807	0.5900	0.4362
0.0612	0.5710	0.6912	1.4228	0.6386	0.4555	0.0612	0.5710	0.6912	1.4228	0.6386	0.4555
0.0740	0.5740	0.6586	1.5475	0.6780	0.4822	0.0740	0.5740	0.6586	1.5475	0.6780	0.4822
0.0818	0.5765	0.6318	1.6515	0.7088	0.5026	0.0818	0.5765	0.6318	1.6515	0.7088	0.5026
0.0923	0.5785	0.6070	1.7495	0.7360	0.5231	0.0923	0.5785	0.6070	1.7495	0.7360	0.5231
0.1018	0.5821	0.5810	1.9373	0.7836	0.5658	0.1018	0.5821	0.5810	1.9373	0.7836	0.5658
0.1118	0.5840	0.5600	2.0274	0.8045	0.5875	0.1118	0.5840	0.5600	2.0274	0.8045	0.5875
0.1218	0.5854	0.5191	2.1192	0.8245	0.6115	0.1218	0.5854	0.5191	2.1192	0.8245	0.6115
0.1317	0.5868	0.5005	2.2024	0.8417	0.6337	0.1317	0.5868	0.5005	2.2024	0.8417	0.6337
0.1414	0.5878	0.4845	2.2789	0.8567	0.6550	0.1414	0.5878	0.4845	2.2789	0.8567	0.6550
0.1514	0.5887	0.4687	2.3552	0.8709	0.6770	0.1514	0.5887	0.4687	2.3552	0.8709	0.6770
0.1614	0.5895	0.4525	2.4369	0.8854	0.7013	0.1614</					

MACH = 3.00	PO = 298.0 KPA	TO = 312.0 K	MACH = 3.00	PO = 297.9 KPA	TO = 312.2 K
ALPHA = 4.20	Z/D = 3.33	PHI = 170.	ALPHA = 4.20	Z/D = 3.33	PHI = 170.
RPM = 0.	PW = 5.66 KPA	REL = 7134237.	RPM = 20000.	PW = 5.66 KPA	REL = 7123122.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9183	0.9183	0.0000	0.0000	0.3474
0.0223	0.9574	0.8052	0.9719	0.2462	0.4325
0.0430	0.9640	0.7552	1.1755	1.2462	0.4325
0.0690	0.9715	0.6914	1.4231	1.4707	0.4658
0.0864	0.9746	0.6614	1.4231	1.6049	0.4952
0.1107	0.9778	0.6247	1.5389	1.7302	0.5210
0.1334	0.9806	0.5971	1.6814	1.8780	0.5540
0.1591	0.9839	0.5543	1.7919	1.9553	0.5723
0.1891	0.9861	0.5265	1.9287	2.0780	0.6021
0.2191	0.9877	0.5081	2.0891	2.1578	0.6241
0.2488	0.9889	0.4896	2.1722	2.2457	0.6482
0.2784	0.9902	0.4705	2.2582	2.3418	0.6757
0.3082	0.9915	0.4528	2.3483	2.4300	0.7015
0.3369	0.9928	0.4337	2.4388	2.5309	0.7331
0.3665	0.9941	0.4172	2.5388	2.6254	0.7636
0.3960	0.9951	0.4017	2.6291	2.7102	0.7918
0.4254	0.9960	0.3888	2.7190	2.7915	0.8157
0.4548	0.9969	0.3754	2.7944	2.8775	0.8502
0.4842	0.9979	0.3625	2.8771	2.9777	0.8869
0.5136	0.9985	0.3527	2.9604	3.0533	0.9154
0.5430	0.9992	0.3412	3.0259	3.1262	0.9436
0.5724	0.9997	0.3327	3.1049	3.1802	0.9649
0.6018	1.0001	0.3271	3.1664	3.2150	0.9788
0.6312	1.0004	0.3247	3.2074	3.2327	0.9860
0.6606	1.0004	0.3225	3.2244	3.2501	0.9909
0.6900	1.0004	0.3215	3.2392	3.2591	0.9930
0.7194	1.0004	0.3207	3.2464		0.9957
0.7488	1.0005		3.2556		

DEL = 0.3366	DELL = 0.0504	DEL** = 0.1285 CM
THETA = 0.02144	M = 6.014	UE = 653.4 M/SEC
RHOE = 0.1584 KG/M**3		RUN = 4136

MACH = 3.00 PO = 297.8 KPA TO = 313.7 K
 ALPHA = 4.20 Z/O = 3.33 PHI = 190.
 RPM = 2000 PM = 5.66 KPA REL = 7080957.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9183	0.9183	0.0000	0.0000	0.3475
0.0033	0.9578	0.9696	0.7121	0.6155	0.4487
0.0066	0.9652	0.9738	1.5104	0.6701	0.4777
0.0099	0.9704	0.9751	1.5545	0.6837	0.4860
0.0132	0.9756	0.9783	1.5843	0.6241	0.5120
0.0165	0.9785	0.9804	1.7516	0.7510	0.5351
0.0198	0.9813	0.9829	1.9126	0.7817	0.5625
0.0231	0.9833	0.9846	2.0511	0.7985	0.5800
0.0264	0.9852	0.9862	2.0813	0.8206	0.6048
0.0297	0.9866	0.9877	2.1835	0.8423	0.6315
0.0330	0.9878	0.9889	2.2635	0.8582	0.6541
0.0363	0.9894	0.9908	2.3617	0.8766	0.6824
0.0396	0.9911	0.9922	2.4599	0.8939	0.7120
0.0429	0.9920	0.9934	2.5542	0.9095	0.7416
0.0462	0.9933	0.9945	2.6560	0.9253	0.7747
0.0495	0.9943	0.9955	2.7381	0.9373	0.8024
0.0528	0.9955	0.9966	2.8196	0.9486	0.8308
0.0561	0.9968	0.9977	2.9007	0.9592	0.8598
0.0594	0.9975	0.9984	2.9827	0.9695	0.8900
0.0627	0.9983	0.9997	3.0802	0.9810	0.9270
0.0660	0.9994	1.0002	3.1399	0.9877	0.9503
0.0693	1.0004	1.0004	3.1829	0.9923	0.9673
0.0726	1.0004	1.0007	3.2225	0.9965	0.9832
0.0759	1.0005	1.0010	3.2369	0.9980	0.9950
0.0792	1.0004	1.0009	3.2477	0.9991	0.9935
0.0825	1.0004	1.0014	3.2528	0.9997	0.9955
0.0858	1.0005	1.0010	3.2575	1.0001	0.9974

DEL = 0.3352 DELL = .0516 DEL* = .1258 CM
 THETA = .02131 H = 6.094
 RHOE = 0.1976 KG/M**3
 UE = 654.4 M/SEC
 RUN = 4154

MACH = 3.00 PO = 297.9 KPA TO = 313.1 K
 ALPHA = 4.20 Z/O = 3.33 PHI = 190.
 RPM = 0 PM = 5.66 KPA REL = 7097884.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9183	0.9183	0.0000	0.0000	0.3477
0.0033	0.9578	0.9696	0.7121	0.6155	0.3979
0.0066	0.9652	0.9738	1.5104	0.6701	0.4278
0.0099	0.9704	0.9751	1.5545	0.6837	0.4550
0.0132	0.9756	0.9783	1.5843	0.6241	0.4916
0.0165	0.9785	0.9804	1.7516	0.7510	0.5159
0.0198	0.9813	0.9829	1.9126	0.7817	0.5422
0.0231	0.9833	0.9846	2.0511	0.7985	0.5665
0.0264	0.9852	0.9862	2.0813	0.8206	0.5914
0.0297	0.9866	0.9877	2.1835	0.8423	0.6080
0.0330	0.9878	0.9889	2.2635	0.8582	0.6316
0.0363	0.9894	0.9908	2.3617	0.8766	0.6550
0.0396	0.9911	0.9922	2.4599	0.8939	0.6922
0.0429	0.9920	0.9934	2.5542	0.9095	0.7166
0.0462	0.9933	0.9945	2.6560	0.9253	0.7477
0.0495	0.9943	0.9955	2.7381	0.9373	0.7755
0.0528	0.9955	0.9966	2.8196	0.9486	0.8060
0.0561	0.9968	0.9977	2.9007	0.9592	0.8469
0.0594	0.9975	0.9984	2.9827	0.9695	0.8669
0.0627	0.9983	0.9997	3.0802	0.9810	0.9046
0.0660	0.9994	1.0002	3.1399	0.9877	0.9349
0.0693	1.0004	1.0004	3.1829	0.9923	0.9655
0.0726	1.0004	1.0007	3.2225	0.9965	0.9873
0.0759	1.0005	1.0010	3.2369	0.9980	0.9817
0.0792	1.0004	1.0009	3.2477	0.9991	0.9905
0.0825	1.0004	1.0014	3.2528	0.9997	0.9945
0.0858	1.0005	1.0010	3.2575	1.0001	0.9964

DEL = 0.3276 DELL = .0480 DEL* = .1259 CM
 THETA = .02134 H = 5.900
 RHOE = 0.1980 KG/M**3
 UE = 654.0 M/SEC
 RUN = 4153

MACH = 3.00 PO = 298.2 KPA TO = 308.1 K MACH = 3.00 PO = 298.1 KPA TO = 308.0 K
 ALPHA = 4.20 Z/D = 3.33 PHI = 240. ALPHA = 4.20 Z/D = 3.33 PHI = 240.
 RPM = 2. PW = 5.68 KPA REL=7250751. RPM = 23000. PW = 5.68 KPA REL=7260815.

Y/DEL	TT/TO	T/TO	M	U/UE	RHC/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHC/RHCE
0.0000	0.9178	0.9178	0.0000	0.0000	0.3422	0.0000	0.9182	0.9182	0.0000	0.0000	0.3427
0.0321	0.9594	0.7835	1.0593	0.5065	0.4019	0.0362	0.9177	0.6887	1.4333	0.6445	0.4623
0.0459	0.9626	0.7584	1.1604	0.5458	0.4152	0.1018	0.9754	0.6550	1.5639	0.6856	0.4863
0.0551	0.9665	0.7232	1.2571	0.5959	0.4323	0.1181	0.9766	0.6372	1.6314	0.7057	0.4955
0.0736	0.9715	0.6851	1.4459	0.6463	0.4598	0.1275	0.9780	0.6217	1.6930	0.7232	0.5121
0.0921	0.9745	0.6501	1.5795	0.6879	0.4843	0.1535	0.9805	0.5958	1.7966	0.7513	0.5344
0.1107	0.9766	0.6281	1.6655	0.7130	0.5013	0.1702	0.9819	0.5767	1.8743	0.7712	0.5521
0.1265	0.9783	0.6113	1.7324	0.7316	0.5152	0.1893	0.9832	0.5575	1.9525	0.7902	0.5706
0.1458	0.9806	0.5900	1.8197	0.7547	0.5341	0.2180	0.9850	0.5372	2.0417	0.8108	0.5927
0.1647	0.9816	0.5716	1.8936	0.7733	0.5505	0.2395	0.9862	0.5223	2.1075	0.8252	0.6056
0.1837	0.9832	0.5538	1.9690	0.7913	0.5688	0.2756	0.9871	0.5073	2.1745	0.8393	0.6274
0.2034	0.9846	0.5367	2.0428	0.8082	0.5865	0.3045	0.9884	0.4946	2.2342	0.8513	0.6438
0.2234	0.9862	0.5190	2.1260	0.8263	0.6082	0.3504	0.9892	0.4811	2.2979	0.8636	0.6617
0.2648	0.9868	0.5020	2.1574	0.8410	0.6272	0.3990	0.9901	0.4693	2.3554	0.8743	0.6784
0.2648	0.9867	0.5038	2.1574	0.8393	0.6250	0.4307	0.9906	0.4589	2.4068	0.8835	0.6936
0.2888	0.9879	0.4910	2.2493	0.8513	0.6414	0.4624	0.9916	0.4498	2.4540	0.8917	0.7075
0.3273	0.9892	0.4792	2.3116	0.8632	0.6585	0.5041	0.9918	0.4396	2.5059	0.9004	0.7235
0.3707	0.9896	0.4673	2.3641	0.8728	0.6740	0.5360	0.9931	0.4291	2.5633	0.9097	0.7420
0.4115	0.9903	0.4544	2.4181	0.8841	0.6925	0.5730	0.9933	0.4198	2.6133	0.9176	0.7582
0.4507	0.9914	0.4445	2.4804	0.8930	0.7087	0.6126	0.9941	0.4106	2.6655	0.9255	0.7733
0.4995	0.9918	0.4350	2.5301	0.9012	0.7241	0.6374	0.9946	0.4030	2.7094	0.9319	0.7900
0.5387	0.9919	0.4252	2.5815	0.9094	0.7403	0.6921	0.9955	0.3927	2.7704	0.9406	0.8109
0.5854	0.9933	0.4133	2.6487	0.9197	0.7615	0.7221	0.9956	0.3848	2.8176	0.9470	0.8273
0.6273	0.9935	0.4025	2.7095	0.9287	0.7820	0.7672	0.9960	0.3765	2.8684	0.9538	0.8453
0.6793	0.9944	0.3912	2.7768	0.9382	0.8048	0.8074	0.9967	0.3685	2.9196	0.9604	0.8638
0.7191	0.9954	0.3821	2.8328	0.9458	0.8242	0.8478	0.9965	0.3591	2.9804	0.9679	0.8862
0.7615	0.9959	0.3736	2.8862	0.9528	0.8430	0.8908	0.9977	0.3530	3.0219	0.9729	0.9017
0.8065	0.9961	0.3650	2.9401	0.9596	0.8625	0.9365	0.9985	0.3464	3.0679	0.9782	0.9152
0.8392	0.9966	0.3572	2.9916	0.9659	0.8813	0.9881	0.9985	0.3392	3.1172	0.9838	0.9382
0.8820	0.9968	0.3490	3.0464	0.9724	0.9018	1.0400	0.9991	0.3332	3.1609	0.9886	0.9554
0.9427	0.9986	0.3401	3.1118	0.9798	0.9266	1.1232	0.9997	0.3267	3.2095	0.9938	0.9748
1.0356	0.9978	0.3294	3.1849	0.9878	0.9551	1.2092	0.9995	0.3228	3.2387	0.9969	0.9865
1.1285	0.9992	0.3250	3.2210	0.9916	0.9693	1.3038	1.0000	0.3210	3.2525	0.9983	0.9921
1.2145	0.9993	0.3223	3.2408	0.9936	0.9773	1.3871	0.9997	0.3200	3.2593	0.9990	0.9945
1.2952	0.9989	0.3210	3.2491	0.9945	0.9806	1.4737	0.9998	0.3194	3.2639	0.9995	0.9968
1.3835	0.9993	0.3204	3.2549	0.9951	0.9825	1.5526	1.0003	0.3192	3.2666	0.9997	0.9978
1.4623	0.9986	0.3196	3.2594	0.9955	0.9848						

DEL = 0.2466 DELL = 0.343 DEL** = 0.902 CM DEL = 0.2455 DELL = 0.363 DEL** = 0.911 CM
 THETA = 0.1510 H = 5.970 UE = 651.3 M/SEC THETA = 0.1485 H = 6.137 UE = 649.2 M/SEC
 RPM = 0.2035 KG/M**2 RUN = 3042 RHO = 0.2014 KG/M**3 RUN = 3045

MACH = 3.00	PO = 298.4 KPA	TO = 305.7 K	MACH = 3.00	PO = 298.3 KPA	TO = 306.2 K
ALPHA = 4.20	Z/D = 3.33	PHI = 270.	ALPHA = 4.20	Z/D = 3.33	PHI = 270.
RPM = 0.	PN = 6.10 KPA	REL = 7367221.	RPM = 2000.	PN = 6.10 KPA	REL = 7340577.

Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0030	0.9191	0.9191	0.0000	0.0000	0.3545
0.0355	0.9633	0.7652	1.1376	0.5428	0.4259
0.0497	0.9659	0.7484	1.2056	0.5688	0.4355
0.0774	0.9705	0.7032	1.3796	0.6309	0.4635
0.1079	0.9754	0.6581	1.5524	0.6869	0.4953
0.1358	0.9787	0.6235	1.6878	0.7268	0.5225
0.1694	0.9816	0.5899	1.8221	0.7632	0.5526
0.1948	0.9836	0.5651	1.9245	0.7889	0.5769
0.2319	0.9861	0.5336	2.0589	0.8202	0.6109
0.2634	0.9880	0.5090	2.1692	0.8439	0.6405
0.3094	0.9898	0.4864	2.2747	0.8651	0.6703
0.3497	0.9907	0.4765	2.3211	0.8739	0.6835
0.3866	0.9920	0.4559	2.4246	0.8927	0.7152
0.5182	0.9936	0.4345	2.5368	0.9117	0.7507
0.5885	0.9945	0.4185	2.6234	0.9254	0.7792
0.6238	0.9951	0.4127	2.6562	0.9304	0.7902
0.7006	0.9962	0.4023	2.7167	0.9393	0.8105
0.7480	0.9976	0.3830	2.8327	0.9555	0.8520
0.8284	0.9982	0.3726	2.8972	0.9640	0.8756
0.8583	0.9989	0.3658	2.9420	0.9697	0.8923
0.9182	0.9995	0.3555	3.0072	0.9777	0.9171
0.9575	0.9999	0.3528	3.0286	0.9803	0.9254
1.0037	1.0003	0.3461	3.0740	0.9856	0.9431
1.0632	1.0008	0.3382	3.1300	0.9920	0.9652
1.1731	1.0011	0.3364	3.1435	0.9934	0.9707
1.2821	1.0012	0.3285	3.1596	0.9995	0.9934
1.3789	1.0014	0.3278	3.2058	1.0002	0.9959
1.4852	1.0016	0.3275	3.2078	1.0004	0.9968
1.5793	1.0018	0.3273	3.2096	1.0006	0.9975
1.6987	1.0016	0.3271	3.2109	1.0007	0.9981

CEL = 0.2046	DEL = 0.2286	DEL = 0.735 CM
THETA = 0.01255	H = 5.854	UE = 642.5 M/SEC
RHO = 0.2132	KG/M**3	RUN = 3060

Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.9191	0.9191	0.0000	0.0000	0.3545
0.0940	0.9734	0.6781	1.4757	0.6624	0.4805
0.1162	0.9771	0.6416	1.6168	0.7059	0.5075
0.1325	0.9793	0.6166	1.7150	0.7340	0.5285
0.1636	0.9819	0.5875	1.8306	0.7650	0.5544
0.1917	0.9836	0.5645	1.9249	0.7886	0.5765
0.2231	0.9845	0.5461	2.0042	0.8074	0.5966
0.2517	0.9874	0.5235	2.1050	0.8299	0.6225
0.3034	0.9887	0.4990	2.2150	0.8529	0.6521
0.3656	0.9906	0.4748	2.3306	0.8752	0.6865
0.4246	0.9926	0.4596	2.4058	0.8989	0.7092
0.5411	0.9937	0.4325	2.5448	0.9125	0.7530
0.5966	0.9948	0.4193	2.6198	0.9244	0.7777
0.6458	0.9955	0.4083	2.6816	0.9337	0.7986
0.7059	0.9966	0.3951	2.7591	0.9449	0.8255
0.7682	0.9970	0.3828	2.8322	0.9550	0.8516
0.8158	0.9978	0.3734	2.8918	0.9629	0.8733
0.8756	0.9985	0.3626	2.9613	0.9716	0.8952
0.9386	0.9992	0.3540	3.0190	0.9787	0.9213
1.0019	0.9997	0.3458	3.0747	0.9852	0.9430
1.0594	1.0002	0.3388	3.1240	0.9908	0.9626
1.1752	1.0006	0.3322	3.1716	0.9960	0.9817
1.2717	1.0007	0.3292	3.1935	0.9984	0.9906
1.3808	1.0010	0.3275	3.2041	0.9995	0.9945
1.4809	1.0009	0.3274	3.2069	0.9998	0.9961
1.5780	1.0007	0.3271	3.2087	1.0000	0.9968
1.6847	1.0011	0.3265	3.2114	1.0003	0.9975

CEL = 0.2048	DEL = 0.2308	DEL = 0.748 CM
THETA = 0.01226	H = 6.103	UE = 643.4 M/SEC
RHO = 0.2127	KG/M**3	RUN = 3061

MACH = 3.00 PO = 298.5 KPA TO = 306.8 K
 ALPHA = 4.20 Z/D = 3.33 PHI = 300.
 RPM = 20000. PW = 6.75 KPA REL = 7302630.

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9202	0.9202	0.0000	0.0000	0.3642
0.0043	0.9757	0.6644	1.5306	0.6843	0.5046
0.0790	0.9774	0.6435	1.6106	0.7088	0.5208
0.1138	0.9791	0.6251	1.6828	0.7298	0.5362
0.1520	0.9817	0.5920	1.8142	0.7558	0.5661
0.1743	0.9833	0.5743	1.8870	0.7845	0.5836
0.2191	0.9859	0.5440	2.0152	0.8153	0.6162
0.2513	0.9866	0.5346	2.0561	0.8246	0.6271
0.2968	0.9884	0.5114	2.1594	0.8470	0.6555
0.3254	0.9892	0.4972	2.2243	0.8604	0.6741
0.3381	0.9901	0.4900	2.2590	0.8673	0.6842
0.4018	0.9913	0.4660	2.3738	0.8890	0.7151
0.4466	0.9921	0.4567	2.4209	0.8975	0.7329
0.5107	0.9932	0.4462	2.4760	0.9071	0.7515
0.5687	0.9939	0.4326	2.5470	0.9189	0.7749
0.6140	0.9945	0.4239	2.5542	0.9265	0.7908
0.6658	0.9953	0.4119	2.6613	0.9368	0.8135
0.7473	0.9962	0.3959	2.7531	0.9503	0.8445
0.8324	0.9976	0.3791	2.8560	0.9645	0.8844
0.9147	0.9984	0.3665	2.9361	0.9749	0.9145
0.9974	0.9990	0.3543	3.0162	0.9848	0.9461
1.1116	0.9994	0.3445	3.0832	0.9927	0.9730
1.2246	0.9998	0.3391	3.1213	0.9970	0.9885
1.3431	0.9997	0.3365	3.1263	0.9987	0.9947
1.4431	1.0000	0.3362	3.1421	0.9994	0.9970
1.5640	1.0003	0.3360	3.1440	0.9996	0.9979
1.6782	1.0005	0.3360	3.1446	0.9996	0.9981
1.7962	1.0005	0.3359	3.1452	0.9997	0.9984
1.9181	1.0001	0.3356	3.1465	0.9998	0.9985
2.0423	1.0002	0.3355	3.1472	0.9999	0.9992

DEL = 0.1849 DELL = 0.306 DEL* = 0.0625 CM
 THETA = 0.1115 H = 6.147 UE = 540.1 M/SEC
 RHOE = 0.2285 KG/M**3 RUN = 3023

MACH = 3.00 PO = 298.5 KPA TO = 306.8 K
 ALPHA = 4.20 Z/D = 3.33 PHI = 300.
 RPM = 0. PW = 6.75 KPA REL = 7312017.

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9202	0.9202	0.0000	0.0000	0.3640
0.0043	0.9650	0.7509	1.1583	0.5543	0.4402
0.0790	0.9676	0.7402	1.2390	0.5848	0.4525
0.1138	0.9731	0.6874	1.4415	0.6556	0.4872
0.1520	0.9776	0.6430	1.6130	0.7095	0.5210
0.1743	0.9790	0.6230	1.6903	0.7319	0.5376
0.2191	0.9811	0.6033	1.7697	0.7539	0.5554
0.2513	0.9847	0.5871	1.8347	0.7711	0.5706
0.2968	0.9871	0.5502	1.9871	0.8087	0.6085
0.3254	0.9886	0.5357	2.0513	0.8235	0.6254
0.3381	0.9881	0.5144	2.1449	0.8440	0.6511
0.4018	0.9894	0.5003	2.2108	0.8576	0.6698
0.4466	0.9905	0.4813	2.3001	0.8752	0.6941
0.5107	0.9914	0.4695	2.3576	0.8861	0.7132
0.5687	0.9930	0.4521	2.4460	0.9019	0.7414
0.6140	0.9936	0.4429	2.4923	0.9098	0.7564
0.6658	0.9943	0.4295	2.5643	0.9217	0.7802
0.7473	0.9948	0.4196	2.6179	0.9302	0.7964
0.8324	0.9952	0.4109	2.6663	0.9376	0.8152
0.9147	0.9957	0.4068	2.6904	0.9412	0.8237
0.9974	0.9959	0.4035	2.7093	0.9440	0.8304
1.1116	0.9962	0.3988	2.7365	0.9479	0.8401
1.2246	0.9966	0.3945	2.7604	0.9513	0.8487
1.3431	0.9972	0.3806	2.8458	0.9631	0.8800
1.4431	0.9979	0.3726	2.8967	0.9698	0.8952
1.5640	0.9990	0.3575	2.9525	0.9819	0.9263
1.6782	0.9993	0.3492	3.0509	0.9889	0.9554
1.7962	0.9999	0.3403	3.1129	0.9961	0.9845
1.9181	1.0000	0.3378	3.1306	0.9981	0.9918
2.0423	1.0001	0.3364	3.1408	0.9992	0.9960
2.1662	1.0003	0.3365	3.1408	0.9992	0.9960
2.2853	1.0003	0.3361	3.1437	0.9995	0.9971
2.4015	1.0001	0.3358	3.1452	0.9997	0.9978
2.5172	1.0000	0.3356	3.1459	0.9998	0.9981
2.6326	1.0002	0.3356	3.1469	0.9999	0.9985
2.7474	1.0004	0.3354	3.1485	1.0000	0.9991

DEL = 0.1788 DELL = 0.274 DEL* = 0.0625 CM
 THETA = 0.1158 H = 5.744 UE = 540.0 M/SEC
 RHOE = 0.2288 KG/M**3 RUN = 3022

MACH = 3.00 PO = 298.5 KPA TO = 306.2 K DELTA = 0.0640 CM
 ALPHA = 4.20 Z/O = 3.33 PHI = 330. UE = 634.9 M/SEC
 RPM = 2000 PW = 7.40 KPA REL = 7308580. RUN = 3036

Y/DEL	TT/TO	T/T/O	M	U/UE	RHO/RHOE
0.0000	0.9216	0.9215	0.0000	0.0000	0.3756
0.0452	0.9692	0.9692	1.5431	0.6933	0.5232
0.0665	0.9708	0.9708	1.3250	0.7368	0.5546
0.0970	0.9748	0.9748	1.7758	0.7611	0.5748
0.1123	0.9769	0.9769	1.8792	0.7882	0.6002
0.1307	0.9789	0.9789	1.9197	0.7983	0.6106
0.1522	0.9810	0.9810	1.9244	0.8135	0.6270
0.1645	0.9825	0.9825	2.1097	0.8425	0.6621
0.2263	0.9844	0.9844	2.1684	0.8593	0.6849
0.2170	0.9857	0.9857	2.2506	0.8719	0.7036
0.2978	0.9877	0.9877	2.3446	0.8901	0.7327
0.3165	0.9894	0.9894	2.4240	0.9046	0.7583
0.3384	0.9901	0.9901	2.4841	0.9150	0.7723
0.3761	0.9915	0.9915	2.5396	0.9243	0.7971
0.4108	0.9919	0.9919	2.5945	0.9332	0.8162
0.4558	0.9928	0.9928	2.6488	0.9417	0.8354
0.5170	0.9933	0.9933	2.7065	0.9504	0.8563
0.5752	0.9942	0.9942	2.7550	0.9575	0.8743
0.6173	0.9951	0.9951	2.8152	0.9659	0.8970
0.6625	0.9955	0.9955	2.8614	0.9722	0.9148
0.6988	0.9955	0.9955	2.8988	0.9771	0.9254
0.7544	0.9967	0.9967	2.9489	0.9836	0.9452
0.8234	0.9973	0.9973	2.9989	0.9898	0.9652
0.8663	0.9978	0.9978	3.0467	0.9956	0.9825
0.9055	0.9981	0.9981	3.0651	0.9977	0.9965
0.9789	0.9991	0.9991	3.0717	0.9985	0.9992
1.1629	1.0002	1.0002	3.0759	0.9990	1.0010
1.2708	1.0004	1.0004	3.0765	0.9991	1.0013
1.3932	1.0001	1.0001	3.0765	0.9991	1.0012
1.5201	1.0007	1.0007	3.0774	0.9992	1.0016
1.6286	1.0001	1.0001	3.0774	0.9992	1.0016
1.7322	1.0002	1.0002	3.0774	0.9992	1.0016
1.8532	0.9994	0.9994	3.0774	0.9992	1.0016

CEL = 0.1821 DELTA = 0.0278 DELTA = 0.0640 CM
 THETA = 0.1159 H = 5.683 UE = 634.9 M/SEC
 RHOE = 0.2414 KG/M**3 RUN = 3036

MACH = 3.00	PO = 298.4 KPA	TO = 309.2 K	MACH = 3.00	PO = 298.5 KPA	TO = 309.7 K
ALPHA = 5.28	Z/D = 3.33	PHI = 120.	ALPHA = 5.28	Z/D = 3.33	PHI = 120.
RPM = 20000.	PW = 5.44 KPA	REL = 7231502.	RPM = 20000.	PW = 5.43 KPA	REL = 7212758.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9181	0.9181	0.0000	0.0000	0.3456
0.0294	0.9181	0.9181	1.4235	0.6410	0.4550
0.0600	0.9181	0.9181	1.5122	0.6694	0.4749
0.0751	0.9181	0.9181	1.6430	0.7087	0.5001
0.1027	0.9181	0.9181	1.7682	0.7435	0.5264
0.1395	0.9181	0.9181	1.8644	0.7684	0.5475
0.1613	0.9181	0.9181	2.0763	0.8181	0.5594
0.1906	0.9181	0.9181	2.2148	0.8470	0.5636
0.2308	0.9181	0.9181	2.2940	0.8625	0.5683
0.3467	0.9181	0.9181	2.3591	0.8746	0.5771
0.4055	0.9181	0.9181	2.4494	0.8905	0.57040
0.4631	0.9181	0.9181	2.5399	0.9056	0.57320
0.5194	0.9181	0.9181	2.6008	0.9152	0.57515
0.5804	0.9181	0.9181	2.7034	0.9306	0.57853
0.6489	0.9181	0.9181	2.7821	0.9418	0.58121
0.7274	0.9181	0.9181	2.8774	0.9545	0.58456
0.7717	0.9181	0.9181	2.9412	0.9626	0.58687
0.8111	0.9181	0.9181	3.0273	0.9731	0.59007
0.8552	0.9181	0.9181	3.0528	0.9806	0.59256
0.9425	0.9181	0.9181	3.1453	0.9865	0.59460
1.0135	0.9181	0.9181	3.2009	0.9925	0.59680
1.0903	0.9181	0.9181	3.2365	0.9962	0.59822
1.1630	0.9181	0.9181	3.2529	0.9979	0.59888
1.2328	0.9181	0.9181	3.2616	0.9988	0.59924
1.3227	0.9181	0.9181	3.2677	0.9994	0.59948
1.4031	0.9181	0.9181	3.2725	0.9999	0.59968

DEL = 0.2551	DELL = 0.376	DEL = 0.0948	DELL = 0.376
THETA = 0.01534	H = 6.178	UE = 651.3	M/SEC
RHOE = 0.1932	KG/M**3	RUN = 4115	

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9181	0.9181	0.0000	0.0000	0.3456
0.0294	0.9181	0.9181	1.4235	0.6410	0.4550
0.0600	0.9181	0.9181	1.5122	0.6694	0.4749
0.0751	0.9181	0.9181	1.6430	0.7087	0.5001
0.1027	0.9181	0.9181	1.7682	0.7435	0.5264
0.1395	0.9181	0.9181	1.8644	0.7684	0.5475
0.1613	0.9181	0.9181	2.0763	0.8181	0.5594
0.1906	0.9181	0.9181	2.2148	0.8470	0.5636
0.2308	0.9181	0.9181	2.2940	0.8625	0.5683
0.3467	0.9181	0.9181	2.3591	0.8746	0.5771
0.4055	0.9181	0.9181	2.4494	0.8905	0.57040
0.4631	0.9181	0.9181	2.5399	0.9056	0.57320
0.5194	0.9181	0.9181	2.6008	0.9152	0.57515
0.5804	0.9181	0.9181	2.7034	0.9306	0.57853
0.6489	0.9181	0.9181	2.7821	0.9418	0.58121
0.7274	0.9181	0.9181	2.8774	0.9545	0.58456
0.7717	0.9181	0.9181	2.9412	0.9626	0.58687
0.8111	0.9181	0.9181	3.0273	0.9731	0.59007
0.8552	0.9181	0.9181	3.0528	0.9806	0.59256
0.9425	0.9181	0.9181	3.1453	0.9865	0.59460
1.0135	0.9181	0.9181	3.2009	0.9925	0.59680
1.0903	0.9181	0.9181	3.2365	0.9962	0.59822
1.1630	0.9181	0.9181	3.2529	0.9979	0.59888
1.2328	0.9181	0.9181	3.2616	0.9988	0.59924
1.3227	0.9181	0.9181	3.2677	0.9994	0.59948
1.4031	0.9181	0.9181	3.2725	0.9999	0.59968

DEL = 0.2551	DELL = 0.376	DEL = 0.0948	DELL = 0.376
THETA = 0.01534	H = 6.178	UE = 651.3	M/SEC
RHOE = 0.1932	KG/M**3	RUN = 4115	


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DEL# = .1250 CM  
UE = 651.3 W/SEC  
RUN = 4128
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MACH = 3.00 ALPHA = 5.28 RPM = 0.				PO = 298.0 KPA Z/O = 3.33 PW = 5.52 KPA				TO = 311.4 K PHI = 170. REL = 7156957.				MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 297.5 KPA Z/O = 3.33 PW = 5.52 KPA				TO = 311.7 K PHI = 170. REL = 7149528.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE						
0.0000	0.9176	0.9176	0.0000	0.0000	0.3416	0.0000	0.9176	0.9176	0.0000	0.0000	0.3416	0.0000	0.9176	0.9176	0.0000	0.0000	0.3416						
0.0194	0.9591	0.7901	1.0342	0.4964	0.3968	0.0517	0.9700	0.7032	1.3771	0.6236	0.4458	0.0517	0.9700	0.7032	1.3771	0.6236	0.4458						
0.0405	0.9682	0.7210	1.3092	0.6003	0.4345	0.0624	0.9724	0.6793	1.4689	0.6538	0.4615	0.0624	0.9724	0.6793	1.4689	0.6538	0.4615						
0.0616	0.9728	0.6757	1.4826	0.6582	0.4650	0.0762	0.9745	0.6580	1.5509	0.6793	0.4764	0.0762	0.9745	0.6580	1.5509	0.6793	0.4764						
0.0889	0.9765	0.6385	1.6252	0.7015	0.4908	0.0947	0.9772	0.6287	1.6647	0.7128	0.4986	0.0947	0.9772	0.6287	1.6647	0.7128	0.4986						
0.1132	0.9792	0.6083	1.7459	0.7353	0.5155	0.1162	0.9792	0.6055	1.7529	0.7372	0.5165	0.1162	0.9792	0.6055	1.7529	0.7372	0.5165						
0.1437	0.9813	0.5785	1.8644	0.7661	0.5415	0.1456	0.9812	0.5820	1.8522	0.7630	0.5387	0.1456	0.9812	0.5820	1.8522	0.7630	0.5387						
0.1913	0.9842	0.5485	1.9529	0.7970	0.5717	0.1933	0.9840	0.5505	1.9842	0.7950	0.5655	0.1933	0.9840	0.5505	1.9842	0.7950	0.5655						
0.2454	0.9857	0.5257	2.0919	0.8191	0.5964	0.2470	0.9854	0.5297	2.0742	0.8152	0.5918	0.2470	0.9854	0.5297	2.0742	0.8152	0.5918						
0.2936	0.9870	0.5118	2.1544	0.8323	0.6126	0.3006	0.9871	0.5110	2.1583	0.8331	0.6136	0.3006	0.9871	0.5110	2.1583	0.8331	0.6136						
0.3484	0.9884	0.4925	2.2436	0.8503	0.6266	0.3500	0.9882	0.4955	2.2300	0.8476	0.6328	0.3500	0.9882	0.4955	2.2300	0.8476	0.6328						
0.3985	0.9896	0.4762	2.3219	0.8652	0.6385	0.4105	0.9898	0.4733	2.3360	0.8678	0.6625	0.4105	0.9898	0.4733	2.3360	0.8678	0.6625						
0.4481	0.9908	0.4620	2.3922	0.8780	0.6488	0.4555	0.9909	0.4575	2.4125	0.8815	0.6847	0.4555	0.9909	0.4575	2.4125	0.8815	0.6847						
0.4967	0.9921	0.4434	2.4876	0.8944	0.7073	0.5097	0.9923	0.4410	2.5000	0.8964	0.7111	0.5097	0.9923	0.4410	2.5000	0.8964	0.7111						
0.5621	0.9935	0.4230	2.5568	0.9119	0.7414	0.5614	0.9933	0.4238	2.5523	0.9112	0.7355	0.5614	0.9933	0.4238	2.5523	0.9112	0.7355						
0.6123	0.9944	0.4104	2.6672	0.9226	0.7641	0.6265	0.9944	0.4098	2.6709	0.9231	0.7653	0.6265	0.9944	0.4098	2.6709	0.9231	0.7653						
0.6727	0.9953	0.3965	2.7481	0.9343	0.7911	0.6831	0.9954	0.3945	2.7576	0.9356	0.7942	0.6831	0.9954	0.3945	2.7576	0.9356	0.7942						
0.7284	0.9963	0.3817	2.8373	0.9465	0.8216	0.7379	0.9963	0.3815	2.8387	0.9466	0.8220	0.7379	0.9963	0.3815	2.8387	0.9466	0.8220						
0.8320	0.9978	0.3635	2.9510	0.9610	0.8621	0.7895	0.9971	0.3710	2.9047	0.9552	0.8652	0.7895	0.9971	0.3710	2.9047	0.9552	0.8652						
0.8847	0.9982	0.3542	3.0154	0.9688	0.8957	0.8495	0.9977	0.3592	2.9813	0.9647	0.8730	0.8495	0.9977	0.3592	2.9813	0.9647	0.8730						
0.9457	0.9985	0.3441	3.0844	0.9769	0.9116	0.8956	0.9990	0.3394	3.1175	0.9905	0.9241	0.8956	0.9990	0.3394	3.1175	0.9905	0.9241						
0.9903	0.9994	0.3352	3.1479	0.9839	0.9359	1.0132	0.9993	0.3315	3.2148	0.9963	0.9446	1.0132	0.9993	0.3315	3.2148	0.9963	0.9446						
1.0566	0.9995	0.3272	3.2062	0.9902	0.9587	1.0703	0.9998	0.3260	3.2446	0.9941	0.9738	1.0703	0.9998	0.3260	3.2446	0.9941	0.9738						
1.1115	1.0002	0.3228	3.2391	0.9936	0.9717	1.1834	1.0004	0.3196	3.2637	0.9961	0.9814	1.1834	1.0004	0.3196	3.2637	0.9961	0.9814						
1.1665	1.0005	0.3202	3.2591	0.9956	0.9757	1.2377	1.0003	0.3182	3.2741	0.9971	0.9856	1.2377	1.0003	0.3182	3.2741	0.9971	0.9856						
1.2218	1.0004	0.3184	3.2725	0.9970	0.9851	1.2955	1.0005	0.3174	3.2804	0.9978	0.9882	1.2955	1.0005	0.3174	3.2804	0.9978	0.9882						
1.2785	1.0007	0.3177	3.2784	0.9976	0.9875	1.3554	1.0007	0.3168	3.2855	0.9983	0.9902	1.3554	1.0007	0.3168	3.2855	0.9983	0.9902						
1.3294	1.0005	0.3173	3.2814	0.9979	0.9887	1.4080	1.0007	0.3165	3.2878	0.9985	0.9912	1.4080	1.0007	0.3165	3.2878	0.9985	0.9912						
1.3830	1.0005	0.3168	3.2850	0.9982	0.9901	1.4583	1.0008	0.3154	3.2957	0.9994	0.9948	1.4583	1.0008	0.3154	3.2957	0.9994	0.9948						
1.5011	1.0008	0.3154	3.2965	0.9994	0.9948																		

CEL	THETA	RHOE	DEL	THETA	RHOE	DEL	THETA	RHOE
0.3926	0.02490	0.1974	0.3876	0.02426	0.1972	0.3876	0.02426	0.1972
0.542	5.950	6.090	0.542	5.950	6.090	0.542	5.950	6.090
0.1477 CM	655.3 P/SEC	4134	0.1477 CM	655.3 P/SEC	4134	0.1477 CM	655.3 P/SEC	4134

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 296.5 KPA Z/D = 3.33 PW = 5.50 KPA				TO = 312.5 K PHI = 180. REL = 7067252.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9178	0.9178	0.0000	0.0000	0.3421	0.0000	0.9178	0.9178	0.0000	0.0000	0.3421
0.0192	0.9568	0.8052	0.9679	0.4696	0.3905	0.0534	0.9689	0.7146	1.3339	0.6094	0.4402
0.0386	0.9627	0.7606	1.1528	0.5434	0.4137	0.0684	0.9720	0.6830	1.4543	0.6497	0.4610
0.0626	0.9717	0.6859	1.4433	0.6460	0.4528	0.0864	0.9746	0.6578	1.5518	0.6802	0.4788
0.0881	0.9760	0.6431	1.6086	0.6971	0.4854	0.1059	0.9770	0.6325	1.6500	0.7093	0.4975
0.1107	0.9790	0.6097	1.7404	0.7343	0.5163	0.1315	0.9801	0.5992	1.7824	0.7457	0.5257
0.1455	0.9816	0.5791	1.8640	0.7666	0.5425	0.1557	0.9818	0.5786	1.8668	0.7674	0.5445
0.1942	0.9845	0.5456	2.0057	0.8005	0.5771	0.1906	0.9837	0.5524	1.9758	0.7937	0.5701
0.2432	0.9861	0.5245	2.0560	0.8205	0.5958	0.2395	0.9854	0.5305	2.0691	0.8148	0.5923
0.3002	0.9875	0.5035	2.1903	0.8402	0.6246	0.2840	0.9869	0.5137	2.1463	0.8313	0.6123
0.3465	0.9889	0.4847	2.2806	0.8580	0.6454	0.3444	0.9883	0.4905	2.2524	0.8527	0.6419
0.3952	0.9900	0.4664	2.3695	0.8745	0.6748	0.3958	0.9901	0.4731	2.3374	0.8688	0.6659
0.4425	0.9914	0.4517	2.4442	0.8876	0.6969	0.4540	0.9915	0.4535	2.4236	0.8859	0.6942
0.5015	0.9926	0.4350	2.5317	0.9022	0.7238	0.5021	0.9922	0.4374	2.5182	0.9002	0.7200
0.5551	0.9936	0.4208	2.6085	0.9144	0.7481	0.5584	0.9936	0.4211	2.6071	0.9143	0.7481
0.6101	0.9943	0.4062	2.6892	0.9265	0.7744	0.6084	0.9945	0.4075	2.6835	0.9258	0.7720
0.6668	0.9954	0.3923	2.7664	0.9375	0.8004	0.6632	0.9951	0.3981	2.7385	0.9337	0.7914
0.7232	0.9962	0.3808	2.8427	0.9479	0.8268	0.7232	0.9962	0.3834	2.8273	0.9459	0.8219
0.7740	0.9969	0.3700	2.9103	0.9566	0.8508	0.7719	0.9968	0.3720	2.8978	0.9552	0.8468
0.8311	0.9976	0.3595	2.9788	0.9651	0.8756	0.8272	0.9976	0.3622	2.9617	0.9632	0.8655
0.8832	0.9983	0.3505	3.0402	0.9724	0.8985	0.8858	0.9980	0.3522	3.0277	0.9711	0.8942
0.9357	0.9988	0.3429	3.0923	0.9784	0.9182	0.9331	0.9988	0.3437	3.0873	0.9780	0.9168
0.9930	0.9991	0.3354	3.1452	0.9843	0.9385	0.9852	0.9992	0.3366	3.1373	0.9836	0.9360
1.0456	0.9995	0.3288	3.1934	0.9895	0.9574	1.0427	0.9996	0.3298	3.1867	0.9889	0.9552
1.1016	0.9999	0.3251	3.2219	0.9925	0.9687	1.1002	0.9999	0.3221	3.2221	0.9927	0.9654
1.1595	1.0004	0.3228	3.2400	0.9944	0.9759	1.1580	1.0002	0.3212	3.2507	0.9956	0.9808
1.2110	1.0002	0.3205	3.2566	0.9961	0.9826	1.2093	1.0003	0.3196	3.2635	0.9969	0.9860
1.2709	1.0002	0.3183	3.2730	0.9977	0.9892	1.2674	1.0004	0.3178	3.2774	0.9983	0.9915
1.3210	1.0002	0.3169	3.2834	0.9988	0.9934	1.3191	1.0006	0.3170	3.2839	0.9990	0.9942
1.3828	1.0003	0.3160	3.2905	0.9995	0.9963	1.3772	1.0005	0.3162	3.2885	0.9994	0.9961
1.4358	1.0005	0.3155	3.2949	0.9999	0.9981	1.4352	1.0005	0.3158	3.2926	0.9998	0.9977

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 296.5 KPA Z/D = 3.33 PW = 5.50 KPA				TO = 312.5 K PHI = 180. REL = 7067252.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9178	0.9178	0.0000	0.0000	0.3421	0.0000	0.9178	0.9178	0.0000	0.0000	0.3421
0.0192	0.9568	0.8052	0.9679	0.4696	0.3905	0.0534	0.9689	0.7146	1.3339	0.6094	0.4402
0.0386	0.9627	0.7606	1.1528	0.5434	0.4137	0.0684	0.9720	0.6830	1.4543	0.6497	0.4610
0.0626	0.9717	0.6859	1.4433	0.6460	0.4528	0.0864	0.9746	0.6578	1.5518	0.6802	0.4788
0.0881	0.9760	0.6431	1.6086	0.6971	0.4854	0.1059	0.9770	0.6325	1.6500	0.7093	0.4975
0.1107	0.9790	0.6097	1.7404	0.7343	0.5163	0.1315	0.9801	0.5992	1.7824	0.7457	0.5257
0.1455	0.9816	0.5791	1.8640	0.7666	0.5425	0.1557	0.9818	0.5786	1.8668	0.7674	0.5445
0.1942	0.9845	0.5456	2.0057	0.8005	0.5771	0.1906	0.9837	0.5524	1.9758	0.7937	0.5701
0.2432	0.9861	0.5245	2.0560	0.8205	0.5958	0.2395	0.9854	0.5305	2.0691	0.8148	0.5923
0.3002	0.9875	0.5035	2.1903	0.8402	0.6246	0.2840	0.9869	0.5137	2.1463	0.8313	0.6123
0.3465	0.9889	0.4847	2.2806	0.8580	0.6454	0.3444	0.9883	0.4905	2.2524	0.8527	0.6419
0.3952	0.9900	0.4664	2.3695	0.8745	0.6748	0.3958	0.9901	0.4731	2.3374	0.8688	0.6659
0.4425	0.9914	0.4517	2.4442	0.8876	0.6969	0.4540	0.9915	0.4535	2.4236	0.8859	0.6942
0.5015	0.9926	0.4350	2.5317	0.9022	0.7238	0.5021	0.9922	0.4374	2.5182	0.9002	0.7200
0.5551	0.9936	0.4208	2.6085	0.9144	0.7481	0.5584	0.9936	0.4211	2.6071	0.9143	0.7481
0.6101	0.9943	0.4062	2.6892	0.9265	0.7744	0.6084	0.9945	0.4075	2.6835	0.9258	0.7720
0.6668	0.9954	0.3923	2.7664	0.9375	0.8004	0.6632	0.9951	0.3981	2.7385	0.9337	0.7914
0.7232	0.9962	0.3808	2.8427	0.9479	0.8268	0.7232	0.9962	0.3834	2.8273	0.9459	0.8219
0.7740	0.9969	0.3700	2.9103	0.9566	0.8508	0.7719	0.9968	0.3720	2.8978	0.9552	0.8468
0.8311	0.9976	0.3595	2.9788	0.9651	0.8756	0.8272	0.9976	0.3622	2.9617	0.9632	0.8655
0.8832	0.9983	0.3505	3.0402	0.9724	0.8985	0.8858	0.9980	0.3522	3.0277	0.9711	0.8942
0.9357	0.9988	0.3429	3.0923	0.9784	0.9182	0.9331	0.9988	0.3437	3.0873	0.9780	0.9168
0.9930	0.9991	0.3354	3.1452	0.9843	0.9385	0.9852	0.9992	0.3366	3.1373	0.9836	0.9360
1.0456	0.9995	0.3288	3.1934	0.9895	0.9574	1.0427	0.9996	0.3298	3.1867	0.9889	0.9552
1.1016	0.9999	0.3251	3.2219	0.9925	0.9687	1.1002	0.9999	0.3221	3.2221	0.9927	0.9654
1.1595	1.0004	0.3228	3.2400	0.9944	0.9759	1.1580	1.0002	0.3212	3.2507	0.9956	0.9808
1.2110	1.0002	0.3205	3.2566	0.9961	0.9826	1.2093	1.0003	0.3196	3.2635	0.9969	0.9860
1.2709	1.0002	0.3183	3.2730	0.9977	0.9892	1.2674	1.0004	0.3178	3.2774	0.9983	0.9915
1.3210	1.0002	0.3169	3.2834	0.9988	0.9934	1.3191	1.0006	0.3170	3.2839	0.9990	0.9942
1.3828	1.0003	0.3160	3.2905	0.9995	0.9963	1.3772	1.0005	0.3162	3.2885	0.9994	0.9961
1.4358	1.0005	0.3155	3.2949	0.9999	0.9981	1.4352	1.0005	0.3158	3.2926	0.9998	0.9977

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 296.5 KPA Z/D = 3.33 PW = 5.50 KPA				TO = 312.5 K PHI = 180. REL = 7067252.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9178	0.9178	0.0000	0.0000	0.3421	0.0000	0.9178	0.9178	0.0000	0.0000	0.3421
0.0192	0.9568	0.8052	0.9679	0.4696	0.3905	0.0534	0.9689	0.7146	1.3339	0.6094	0.4402
0.0386	0.9627	0.7606	1.1528	0.5434	0.4137	0.0684	0.9720	0.6830	1.4543	0.6497	0.4610
0.0626	0.9717	0.6859	1.4433	0.6460	0.4528	0.0864	0.9746	0.6578	1.5518	0.6802	0.4788
0.0881	0.9760	0.6431	1.6086	0.6971	0.4854	0.1059	0.9770	0.6325	1.6500	0.7093	0.4975
0.1107	0.9790	0.6097	1.7404	0.7343	0.5163	0.1315	0.9801	0.5992	1.7824	0.7457	0.5257
0.1455	0.9816	0.5791	1.8640	0.7666	0.5425	0.1557	0.9818	0.5786	1.8668	0.7674	0.5445
0.1942	0.9845	0.5456	2.0057	0.8005	0.5771	0.1906	0.9837	0.5524	1.9758	0.7937	0.5701
0.2432	0.9861	0.5245	2.0560	0.8205	0.5958	0.2395	0.9854	0.5305	2.0691	0.8148	0.5923
0.3002	0.9875	0.5035	2.1903	0.8402	0.6246	0.2840	0.9869	0.5137	2.1463	0.8313	0.6123
0.3465	0.9889	0.4847	2.2806	0.8580	0.6454	0.3444	0.9883	0.4905	2.2524	0.8527	0.6419
0.3952	0.9900	0.4664	2.3695	0.8745	0.6748	0.3958	0.9901	0.4731	2.3374	0.8688	0.6659
0.4425	0.9914	0.4517	2.4442	0.8876	0.6969	0.4540	0.9915	0.4535	2.4236	0.8859	0.6942
0.5015	0.9926	0.4350	2.5317	0.9022	0.7238	0.5021	0.9922	0.4374	2.5182	0.9002	0.7200
0.5551	0.9936	0.4208	2.6085	0.9144	0.7481	0.5584	0.9936	0.4211	2.6071	0.9143	0.7481
0.6101	0.9943	0.4062	2.6892	0.9265	0.7744	0.6084	0.9945	0.4075	2.6835	0.9258	0.7720
0.6668	0.9954	0.3923	2.7664	0.9375	0.8004	0.6632	0.9951	0.3981	2.7385	0.9337	0.7914
0.7232	0.9962	0.3808	2.8427	0.9479	0.8268	0.7232	0.9962	0.3834	2.8273	0.9459	0.8219
0.7740	0.9969	0.3700	2.9103	0.9566	0.8508	0.7719	0.9968	0.3720	2.8978	0.9552	0.8468
0.8311	0.9976	0.3595	2.9788	0.9651	0.8756	0.8272	0.9976	0.3622	2.9617	0.9632	0.8655
0.8832	0.9983	0.3505	3.0402	0.9724	0.8985	0.8858	0.9980	0.3522	3.0277	0.9711	0.8942
0.9357	0.9988	0.3429	3.0923	0.9784	0.9182	0.9331	0.9988	0.3437	3.0873	0.9780	0.9168
0.9930	0.9991	0.3354	3.1452	0.9843	0.9385	0.9852					

MACH = 3.00	PO = 298.1 KPA	TO = 312.6 K
ALPHA = 5.28	Z/D = 3.33	PMI = 190.
RPM = 0.	PW = 5.52 KPA	REL = 7124752.

Y/DEL	TT/TO	M	U/UE	RHO/RHOE
0.0000	0.9178	0.0000	0.0000	0.3434
0.0002	0.9577	0.8034	0.4751	0.3924
0.0026	0.9645	0.7500	0.5602	0.4203
0.0087	0.9716	0.6905	0.6409	0.4563
0.0391	0.9753	0.6547	0.6849	0.4817
0.1222	0.9788	0.6147	0.7299	0.5125
0.1713	0.9828	0.5691	0.7780	0.5541
0.2320	0.9852	0.5394	0.8075	0.5846
0.2787	0.9867	0.5231	0.8234	0.6025
0.3152	0.9879	0.5035	0.8414	0.6258
0.3558	0.9893	0.4876	0.8566	0.6468
0.4416	0.9905	0.4685	0.8735	0.6725
0.4995	0.9921	0.4508	0.8897	0.6957
0.5519	0.9931	0.4342	0.9041	0.7262
0.6094	0.9942	0.4173	0.9186	0.7558
0.6705	0.9953	0.4014	0.9320	0.7857
0.7300	0.9965	0.3857	0.9451	0.8178
0.7743	0.9973	0.3732	0.9553	0.8451
0.8375	0.9981	0.3604	0.9657	0.8752
0.8957	0.9989	0.3517	0.9727	0.8970
0.9541	0.9996	0.3434	0.9794	0.9159
1.0089	1.0001	0.3348	0.9861	0.9424
1.0657	1.0005	0.3284	0.9912	0.9609
1.1191	1.0008	0.3237	0.9949	0.9745
1.1797	1.0012	0.3208	0.9972	0.9837
1.2353	1.0012	0.3191	0.9985	0.9850
1.2962	1.0013	0.3180	0.9993	0.9924
1.3522	1.0014	0.3173	0.9999	0.9946
1.4047	1.0016	0.3168	1.0003	0.9965

DEL = 0.3772	DELU = .C543	DEL* = .1447 CM
THETA = .02414	M = 5.991	UE = 654.5 M/SEC
RHOE = 0.1963 KG/M**2		RUN = 4151

Y/DEL	TT/TO	M	U/UE	RHO/RHOE
0.0000	0.9179	0.0000	0.0000	0.3438
0.00576	0.9582	0.7184	0.6046	0.4352
0.0733	0.9715	0.6870	0.6452	0.4553
0.0921	0.9748	0.6550	0.6839	0.4818
0.1284	0.9785	0.6142	0.7299	0.5127
0.1744	0.9820	0.5730	0.7735	0.5507
0.2286	0.9843	0.5470	0.7998	0.5771
0.2752	0.9857	0.5286	0.8176	0.5971
0.3285	0.9872	0.5086	0.8367	0.6205
0.3855	0.9885	0.4908	0.8533	0.6431
0.4412	0.9901	0.4714	0.8709	0.6656
0.4990	0.9913	0.4523	0.8879	0.6875
0.5547	0.9926	0.4360	0.9023	0.7241
0.6122	0.9938	0.4191	0.9167	0.7523
0.6647	0.9945	0.4054	0.9283	0.7786
0.7225	0.9958	0.3919	0.9397	0.8057
0.7787	0.9965	0.3777	0.9513	0.8355
0.8367	0.9974	0.3661	0.9608	0.8626
0.8945	0.9984	0.3540	0.9706	0.8921
1.0097	0.9996	0.3345	0.9786	0.9181
1.0646	0.9998	0.3280	0.9860	0.9440
1.1215	1.0001	0.3230	0.9911	0.9627
1.1751	1.0003	0.3204	0.9971	0.9854
1.2393	1.0006	0.3186	0.9985	0.9912
1.2950	1.0006	0.3176	0.9993	0.9943
1.3386	1.0007	0.3170	0.9997	0.9961
1.4065	1.0009	0.3165	1.0002	0.9981

DEL = 0.3776	DELU = .C577	DEL* = .1478 CM
THETA = .02416	M = 6.118	UE = 655.0 M/SEC
RHOE = 0.1958 KG/M**2		RUN = 4152

MACH = 3.00		PO = 297.5 KPA		TO = 313.4 K		DEL = 0.3175		DELU = .0465		DEL* = .1225 CM	
ALPHA = 5.28		Z/D = 3.33		PHI = 210.		THETA = .02066		H = 5.948		UE = 655.9 M/SEC	
RPM = 0.		PW = 5.46 KPA		REL = 7070750.		RHOE = 0.1531		KG/M**2		RUN = 4160	

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9180	0.9180	0.0000	0.0000	0.3446
0.0240	0.9590	0.7934	1.0212	0.4921	0.3987
0.0460	0.9605	0.7370	1.2479	0.5796	0.4252
0.0574	0.9696	0.7110	1.3486	0.6151	0.4450
0.0685	0.9724	0.6834	1.4541	0.6503	0.4630
0.1058	0.9769	0.6368	1.6340	0.7054	0.4968
0.1377	0.9799	0.6046	1.7616	0.7409	0.5234
0.1805	0.9824	0.5728	1.8910	0.7742	0.5524
0.2054	0.9839	0.5546	1.9672	0.7925	0.5705
0.2756	0.9862	0.5223	2.1072	0.8239	0.6056
0.3272	0.9880	0.5035	2.1932	0.8418	0.6284
0.3925	0.9894	0.4816	2.2563	0.8620	0.6570
0.4564	0.9907	0.4640	2.3024	0.8779	0.6819
0.5227	0.9919	0.4471	2.4683	0.8928	0.7077
0.5894	0.9932	0.4282	2.5686	0.9092	0.7350
0.6616	0.9945	0.4080	2.6810	0.9264	0.7755
0.7259	0.9958	0.3920	2.7752	0.9398	0.8073
0.7904	0.9966	0.3768	2.8680	0.9523	0.8358
0.8571	0.9975	0.3625	2.9566	0.9636	0.8718
0.9198	0.9985	0.3488	3.0519	0.9750	0.9073
1.0051	0.9992	0.3354	3.1459	0.9856	0.9434
1.0580	0.9997	0.3278	3.2016	0.9915	0.9652
1.1354	1.0002	0.3225	3.2417	0.9937	0.9813
1.2640	1.0004	0.3192	3.2665	0.9983	0.9914
1.3912	1.0004	0.3183	3.2730	0.9989	0.9940

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9179	0.9179	0.0000	0.0000	0.3444
0.0477	0.9653	0.7430	1.2232	0.5702	0.4256
0.0654	0.9712	0.6936	1.4144	0.6371	0.4559
0.1028	0.9752	0.6458	1.5984	0.6947	0.4896
0.1314	0.9783	0.6168	1.7119	0.7272	0.5126
0.1691	0.9814	0.5829	1.8487	0.7633	0.5424
0.1925	0.9828	0.5658	1.9197	0.7809	0.5585
0.2576	0.9852	0.5348	2.0520	0.8116	0.5912
0.3178	0.9867	0.5134	2.1468	0.8320	0.6158
0.3747	0.9883	0.4938	2.2376	0.8504	0.6403
0.4412	0.9897	0.4718	2.3429	0.8704	0.6701
0.5007	0.9912	0.4505	2.4476	0.8890	0.7011
0.5721	0.9928	0.4311	2.5524	0.9063	0.7335
0.6353	0.9940	0.4132	2.6512	0.9216	0.7653
0.6929	0.9949	0.3987	2.7346	0.9338	0.7931
0.7544	0.9960	0.3827	2.8304	0.9470	0.8262
0.8181	0.9969	0.3691	2.9162	0.9582	0.8567
0.8915	0.9978	0.3542	3.0142	0.9702	0.8927
0.9555	0.9986	0.3423	3.0965	0.9797	0.9239
1.0157	0.9991	0.3334	3.1598	0.9867	0.9485
1.0721	0.9996	0.3264	3.2112	0.9922	0.9688
1.2143	1.0000	0.3197	3.2518	0.9974	0.9851
1.3338	1.0001	0.3175	3.2753	0.9988	0.9945

DEL = 0.3326	DELU = .0506	DEL* = .1255 CM
THETA = .02144	H = 6.057	UE = 656.2 M/SEC
RHOE = 0.1931	KG/M**2	RUN = 4161

[illegible]

MACH = 3.00 ALPHA = 6.34 RPM = 20000.				PO = 296.5 KPA Z/D = 3.33 PM = 8.60 KPA				TO = 313.2 K PHI = 0 REL = 7058520.				PO = 296.5 KPA Z/D = 3.33 PM = 8.60 KPA				TO = 313.4 K PHI = 0 REL = 7046035.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE		
0.0000	0.9241	0.9241	0.0000	0.0000	0.3975	0.0000	0.9241	0.9241	0.0000	0.0000	0.3977	0.0000	0.9241	0.9241	0.0000	0.0000	0.3977		
0.0538	0.9702	0.7440	1.2331	0.5984	0.4542	0.1762	0.9837	0.6025	1.7772	0.7761	0.6057	0.2161	0.9861	0.5750	1.8908	0.8063	0.6354		
0.0979	0.9756	0.6922	1.4308	0.6698	0.5312	0.2888	0.9883	0.5434	2.0233	0.8389	0.6764	0.3256	0.9908	0.5074	2.1827	0.8745	0.7244		
0.1260	0.9789	0.6544	1.5744	0.7167	0.5618	0.3502	0.9920	0.4950	2.2405	0.8865	0.7427	0.4404	0.9934	0.4723	2.3487	0.9079	0.7783		
0.1541	0.9816	0.6212	1.7037	0.7556	0.5918	0.4225	0.9943	0.4588	2.4160	0.9204	0.8013	0.5252	0.9950	0.4489	2.4665	0.9294	0.8185		
0.1904	0.9838	0.5974	1.7984	0.7822	0.6154	0.6639	0.9961	0.4354	2.5372	0.9416	0.8443	0.7222	0.9964	0.4265	2.5830	0.9492	0.8611		
0.2228	0.9859	0.5737	1.8954	0.8077	0.6410	0.8017	0.9975	0.4130	2.6603	0.9615	0.8902	0.8688	0.9982	0.4015	2.7260	0.9714	0.9156		
0.2593	0.9881	0.5437	2.0217	0.8388	0.6762	0.9320	0.9985	0.3942	2.7686	0.9777	0.9325	0.9911	0.9992	0.3866	2.8147	0.9843	0.9510		
0.3006	0.9900	0.5185	2.1322	0.8639	0.7051	1.0716	0.9996	0.3798	2.8567	0.9901	0.9681	1.2251	1.0003	0.3722	2.9050	0.9966	0.9881		
0.3415	0.9915	0.5003	2.2157	0.8817	0.7352	1.3496	1.0002	0.3687	2.9205	0.9986	0.9946	1.5138	1.0005	0.3685	2.9280	0.9996	0.9973		
0.3834	0.9926	0.4840	2.2920	0.8972	0.7558	1.6312	1.0005	0.3685	2.9280	0.9998	0.9982	1.7153	1.0003	0.3683	2.9294	0.9998	0.9983		
0.4416	0.9934	0.4700	2.3599	0.9103	0.7824	1.9291	1.0003	0.3681	2.9307	0.9999	0.9989	1.9291	1.0003	0.3681	2.9307	0.9999	0.9989		
0.5710	0.9945	0.4572	2.4238	0.9221	0.8043	2.0899	1.0005	0.3681	2.9307	0.9999	0.9989	2.0899	1.0005	0.3681	2.9307	0.9999	0.9989		
0.6382	0.9953	0.4452	2.4855	0.9330	0.8261	2.2152	1.0003	0.3681	2.9302	0.9999	0.9986	2.2152	1.0003	0.3681	2.9302	0.9999	0.9986		
0.6887	0.9958	0.4364	2.5318	0.9410	0.8428	2.4577	1.0003	0.3682	2.9301	0.9999	0.9986	2.4577	1.0003	0.3682	2.9301	0.9999	0.9986		
0.7605	0.9964	0.4273	2.5806	0.9491	0.8607														
0.7986	0.9970	0.4193	2.6245	0.9561	0.8771														
0.8835	0.9981	0.4041	2.7110	0.9695	0.9102														
0.9560	0.9988	0.3924	2.7796	0.9796	0.9373														
1.0288	0.9993	0.3821	2.8421	0.9884	0.9626														
1.0885	0.9998	0.3780	2.8676	0.9918	0.9730														
1.2356	1.0002	0.3714	2.9095	0.9975	0.9905														
1.3833	1.0004	0.3696	2.9216	0.9990	0.9955														
1.5109	1.0003	0.3687	2.9264	0.9997	0.9976														
1.6686	1.0002	0.3683	2.9285	1.0000	0.9985														
1.7853	1.0004	0.3679	2.9317	1.0004	0.9998														
1.9754	1.0005	0.3680	2.9315	1.0003	0.9997														
2.1136	1.0005	0.3682	2.9301	1.0002	0.9991														
2.1785	1.0005	0.3681	2.9307	1.0002	0.9994														
2.3329	1.0005	0.3681	2.9310	1.0003	0.9995														

MACH = 3.00 ALPHA = 6.34 RPM = 20000.				PO = 296.5 KPA Z/D = 3.33 PM = 8.60 KPA				TO = 313.2 K PHI = 0 REL = 7058520.				PO = 296.5 KPA Z/D = 3.33 PM = 8.60 KPA				TO = 313.4 K PHI = 0 REL = 7046035.			
DEL	THETA	RHOE	M	DEL	THETA	RHOE	M	DEL	THETA	RHOE	M	DEL	THETA	RHOE	M	DEL	THETA	RHOE	
0.1415	0.0904	0.2618	0.198	0.1432	0.0821	0.2617	0.198	0.1432	0.0821	0.2617	0.198	0.1432	0.0821	0.2617	0.198	0.1432	0.0821	0.2617	
0.0475	630.5	4145	0.0466	630.5	4144	0.0466	630.5	0.0475	630.5	4145	0.0475	630.5	630.5	4145	630.5	630.5	630.5	4145	

MACH = 3.00 PO = 297.4 KPA TO = 313.7 K
ALPHA = 6.24 Z/O = 3.23 PHI = 30.
RPM = 0. PM = 8.19 KPA REL = 7063255.

V/CCL	Y/YO	T/YO	M	U/UE	PHO/RPOE
0.0000	0.9237	0.9237	0.0000	0.0000	0.3946
0.0490	0.5696	0.7473	1.2195	0.5916	0.4878
0.0886	0.9746	0.6994	1.4025	0.6582	0.5211
0.1139	0.9769	0.6736	1.5004	0.6911	0.5410
0.1294	0.9788	0.6508	1.5874	0.7187	0.5559
0.1501	0.9806	0.6342	1.6525	0.7385	0.5747
0.1756	0.9829	0.6067	1.7609	0.7697	0.6008
0.2000	0.9842	0.5896	1.8334	0.7893	0.6192
0.2266	0.9868	0.5634	1.9505	0.8193	0.6505
0.2532	0.9885	0.5378	2.0469	0.8423	0.6778
0.2852	0.9895	0.5214	2.1187	0.8585	0.6951
0.3109	0.9905	0.5091	2.1736	0.8715	0.7173
0.3316	0.9917	0.4940	2.2445	0.8852	0.7380
0.4042	0.9924	0.4783	2.3183	0.8998	0.7620
0.4644	0.9935	0.4655	2.3816	0.9118	0.7831
0.5287	0.9943	0.4557	2.4311	0.9208	0.8000
0.5790	0.9951	0.4438	2.4923	0.9316	0.8215
0.6118	0.9959	0.4293	2.5691	0.9445	0.8451
0.7115	0.9965	0.4210	2.6142	0.9518	0.8658
0.7992	0.9973	0.4107	2.6726	0.9610	0.8878
0.8382	0.9978	0.4025	2.7197	0.9681	0.9059
0.9038	0.9985	0.3920	2.7813	0.9771	0.9300
0.9542	0.9990	0.3869	2.8124	0.9815	0.9424
1.0665	0.9995	0.3755	2.8800	0.9908	0.9659
1.2192	1.0000	0.3700	2.9182	0.9958	0.9856
1.3144	0.9995	0.3688	2.9249	0.9967	0.9864
1.4772	1.0001	0.3656	2.9461	0.9995	0.9973
1.9037	1.0001	0.3654	2.9469	0.9996	0.9977
2.2951	1.0003	0.3654	2.9475	0.9996	0.9975

DEL = 0.1557 DELL = 0.0212 DEL = 0.0501 CM
TPEIA = 0.00965 H = 5.195 UE = 632.6 M/SEC
RPOE = 0.2512 KG/M**2 RUN = 4162

TACH = 3.00 PU = 298.5 KPA TU = JUN.9 A			
ALPHA = 6.34 Z/0 = 3.33 DM = NO.			
WPM = 20000. PA = 5.91 KPA REL = 7321055.			
V/UEL	TT/TU	T/TU	U/UE
0.0000	0.9213	0.9213	0.0000
0.0448	0.9771	0.6425	0.7165
0.0831	0.9719	0.6234	0.7382
0.1214	0.9785	0.5119	0.7513
0.1424	0.9803	0.5119	0.7513
0.1609	0.9821	0.5976	0.7567
0.2014	0.9869	0.5601	0.8081
0.2265	0.9864	0.5501	0.8163
0.2652	0.9890	0.5233	0.8430
0.3216	0.9913	0.5069	0.8568
0.3747	0.9927	0.4941	0.8803
0.4457	0.9919	0.4659	0.8942
0.5027	0.9848	0.4574	0.9040
0.5635	0.9860	0.4392	0.9211
0.6560	0.9877	0.4245	0.9340
0.7436	0.9887	0.4067	0.9494
0.8343	0.9897	0.3883	0.9651
0.9329	1.0006	0.3720	0.9783
1.0431	1.0014	0.3603	0.9883
1.1668	1.0020	0.3514	0.9959
1.2720	1.0025	0.3466	0.9977
1.4227	1.0026	0.3473	0.9990
1.5510	1.0027	0.3467	0.9999
1.6721	1.0029	0.3463	0.9999
1.7935	1.0031	0.3462	1.0000
1.9189	1.0034	0.3459	1.0003

TACH = 3.00 PU = 298.5 KPA TU = JUN.2 A			
ALPHA = 6.34 Z/0 = 3.33 DM = NO.			
WPM = 20000. PA = 5.91 KPA REL = 7321055.			
V/UEL	TT/TU	T/TU	U/UE
0.0000	0.9213	0.9213	0.0000
0.0448	0.9771	0.6425	0.7165
0.0831	0.9719	0.6234	0.7382
0.1214	0.9785	0.5119	0.7513
0.1424	0.9803	0.5119	0.7513
0.1609	0.9821	0.5976	0.7567
0.2014	0.9869	0.5601	0.8081
0.2265	0.9864	0.5501	0.8163
0.2652	0.9890	0.5233	0.8430
0.3216	0.9913	0.5069	0.8568
0.3747	0.9927	0.4941	0.8803
0.4457	0.9919	0.4659	0.8942
0.5027	0.9848	0.4574	0.9040
0.5635	0.9860	0.4392	0.9211
0.6560	0.9877	0.4245	0.9340
0.7436	0.9887	0.4067	0.9494
0.8343	0.9897	0.3883	0.9651
0.9329	1.0006	0.3720	0.9783
1.0431	1.0014	0.3603	0.9883
1.1668	1.0020	0.3514	0.9959
1.2720	1.0025	0.3466	0.9977
1.4227	1.0026	0.3473	0.9990
1.5510	1.0027	0.3467	0.9999
1.6721	1.0029	0.3463	0.9999
1.7935	1.0031	0.3462	1.0000
1.9189	1.0034	0.3459	1.0003

TACH = 3.00 PU = 298.5 KPA TU = JUN.2 A			
ALPHA = 6.34 Z/0 = 3.33 DM = NO.			
WPM = 20000. PA = 5.91 KPA REL = 7321055.			
V/UEL	TT/TU	T/TU	U/UE
0.0000	0.9213	0.9213	0.0000
0.0448	0.9771	0.6425	0.7165
0.0831	0.9719	0.6234	0.7382
0.1214	0.9785	0.5119	0.7513
0.1424	0.9803	0.5119	0.7513
0.1609	0.9821	0.5976	0.7567
0.2014	0.9869	0.5601	0.8081
0.2265	0.9864	0.5501	0.8163
0.2652	0.9890	0.5233	0.8430
0.3216	0.9913	0.5069	0.8568
0.3747	0.9927	0.4941	0.8803
0.4457	0.9919	0.4659	0.8942
0.5027	0.9848	0.4574	0.9040
0.5635	0.9860	0.4392	0.9211
0.6560	0.9877	0.4245	0.9340
0.7436	0.9887	0.4067	0.9494
0.8343	0.9897	0.3883	0.9651
0.9329	1.0006	0.3720	0.9783
1.0431	1.0014	0.3603	0.9883
1.1668	1.0020	0.3514	0.9959
1.2720	1.0025	0.3466	0.9977
1.4227	1.0026	0.3473	0.9990
1.5510	1.0027	0.3467	0.9999
1.6721	1.0029	0.3463	0.9999
1.7935	1.0031	0.3462	1.0000
1.9189	1.0034	0.3459	1.0003

TACH = 3.00 PU = 298.5 KPA TU = JUN.2 A			
ALPHA = 6.34 Z/0 = 3.33 DM = NO.			
WPM = 20000. PA = 5.91 KPA REL = 7321055.			
V/UEL	TT/TU	T/TU	U/UE
0.0000	0.9213	0.9213	0.0000
0.0448	0.9771	0.6425	0.7165
0.0831	0.9719	0.6234	0.7382
0.1214	0.9785	0.5119	0.7513
0.1424	0.9803	0.5119	0.7513
0.1609	0.9821	0.5976	0.7567
0.2014	0.9869	0.5601	0.8081
0.2265	0.9864	0.5501	0.8163
0.2652	0.9890	0.5233	0.8430
0.3216	0.9913	0.5069	0.8568
0.3747	0.9927	0.4941	0.8803
0.4457	0.9919	0.4659	0.8942
0.5027	0.9848	0.4574	0.9040
0.5635	0.9860	0.4392	0.9211
0.6560	0.9877	0.4245	0.9340
0.7436	0.9887	0.4067	0.9494
0.8343	0.9897	0.3883	0.9651
0.9329	1.0006	0.3720	0.9783
1.0431	1.0014	0.3603	0.9883
1.1668	1.0020	0.3514	0.9959
1.2720	1.0025	0.3466	0.9977
1.4227	1.0026	0.3473	0.9990
1.5510	1.0027	0.3467	0.9999
1.6721	1.0029	0.3463	0.9999
1.7935	1.0031	0.3462	1.0000
1.9189	1.0034	0.3459	1.0003

MACH = 3.00	PO = 297.4 KPA	TO = 310.2 K	
ALPHA = 6.34	Z/D = 3.33	PHI = 150.	
RPM = C.	PM = 6.12 KPA	REL = 7171829.	

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9220	0.9220	0.0000	0.0000	0.3754
0.0218	0.9558	0.8391	0.8339	0.4238	0.4165
0.0337	0.9612	0.8060	0.9813	0.4887	0.4342
0.0524	0.9671	0.7565	1.1783	0.5688	0.4621
0.0846	0.9722	0.7101	1.3586	0.6352	0.4926
0.1156	0.9761	0.6713	1.5066	0.6849	0.5211
0.1328	0.9774	0.6571	1.5613	0.7022	0.5324
0.1535	0.9795	0.6340	1.6507	0.7293	0.5518
0.2314	0.9832	0.5896	1.8272	0.7784	0.5933
0.2855	0.9851	0.5685	1.9127	0.8034	0.6150
0.3452	0.9868	0.5468	2.0059	0.8229	0.6359
0.4019	0.9883	0.5265	2.0943	0.8431	0.6645
0.4679	0.9901	0.5020	2.2049	0.8667	0.6965
0.5135	0.9914	0.4863	2.2790	0.8816	0.7196
0.5846	0.9928	0.4660	2.3774	0.9003	0.7509
0.6413	0.9940	0.4488	2.4648	0.9160	0.7758
0.7092	0.9951	0.4320	2.5530	0.9309	0.8100
0.7662	0.9960	0.4184	2.6273	0.9428	0.8363
0.8269	0.9967	0.4048	2.7041	0.9545	0.8642
0.8842	0.9976	0.3914	2.7827	0.9659	0.8938
0.9526	0.9987	0.3772	2.8694	0.9778	0.9274
1.0155	0.9994	0.3660	2.9415	0.9872	0.9561
1.0655	1.0000	0.3594	3.0000	0.9927	0.9738
1.1399	1.0001	0.3540	3.0212	0.9971	0.9886
1.2071	1.0005	0.3515	3.0386	0.9992	0.9958

DEL = 0.3498	DELU = 0.567	DEL* = 0.1357 CM
THETA = 0.02515	H = 5.397	UE = 636.3 M/SEC
RHOE = 0.1973	KG/M**3	RUN = 4123

MACH = 3.00	PO = 297.5 KPA	TO = 310.4 K
ALPHA = 6.34	Z/D = 3.33	PHI = 150.
RPM = 20000.	PM = 6.11 KPA	REL = 7162678.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9216	0.9216	0.0000	0.0000	0.3762
0.0570	0.9667	0.7564	1.1789	0.5676	0.4583
0.0807	0.9721	0.7071	1.3690	0.6373	0.4903
0.1130	0.9767	0.6614	1.5439	0.6951	0.5242
0.1351	0.9782	0.6437	1.6118	0.7159	0.5386
0.1642	0.9804	0.6157	1.7211	0.7477	0.5630
0.1985	0.9827	0.5936	1.8102	0.7720	0.5841
0.2243	0.9836	0.5815	1.8594	0.7849	0.5963
0.2571	0.9845	0.5683	1.9135	0.7986	0.6100
0.2866	0.9855	0.5580	1.9573	0.8093	0.6214
0.3092	0.9864	0.5494	1.9940	0.8181	0.6312
0.3342	0.9872	0.5375	2.0338	0.8297	0.6448
0.3704	0.9880	0.5278	2.0878	0.8395	0.6570
0.3950	0.9884	0.5196	2.1240	0.8475	0.6672
0.4640	0.9903	0.4967	2.2291	0.8695	0.6982
0.5128	0.9915	0.4795	2.3108	0.8856	0.7233
0.5816	0.9929	0.4595	2.4073	0.9036	0.7541
0.6378	0.9940	0.4428	2.4950	0.9189	0.7822
0.7051	0.9951	0.4245	2.5922	0.9349	0.8168
0.7598	0.9959	0.4119	2.6626	0.9459	0.8418
0.8237	0.9972	0.3973	2.7476	0.9585	0.8730
0.8750	0.9978	0.3854	2.8187	0.9685	0.8955
0.9392	0.9987	0.3747	2.8856	0.9776	0.9258
1.0066	0.9993	0.3645	2.9511	0.9860	0.9517
1.0622	0.9995	0.3585	2.9901	0.9909	0.9675
1.1286	1.0001	0.3547	3.0164	0.9941	0.9781
1.1878	1.0000	0.3521	3.0335	0.9962	0.9852
1.2509	1.0003	0.3507	3.0436	0.9974	0.9894

CEL = 0.3528	DELU = 0.569	DEL* = 0.1346 CM
THETA = 0.02420	H = 5.561	UE = 637.5 M/SEC
RHOE = 0.1588	KG/M**3	RUN = 4124

MACH = 3.00 ALPHA = 6.34 RPM = 0.				PO = 298.0 KPA Z/D = 3.33 PW = 6.59 KPA				TO = 310.4 K PHI = 170. REL = 7189323.				MACH = 3.00 ALPHA = 6.34 RPM = 20000.				PO = 298.1 KPA Z/D = 3.33 PW = 6.60 KPA				TO = 311.0 K PHI = 170. REL = 7158643.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9229	0.9229	0.0000	0.0000	0.3871	0.0000	0.9229	0.9229	0.0000	0.0000	0.3871	0.0000	0.9229	0.9229	0.0000	0.0000	0.3871	0.0000	0.9229	0.9229	0.0000	0.0000	0.3871
0.0169	0.9548	0.8498	0.7861	0.4050	0.4205	0.0441	0.9680	0.7551	1.1873	0.5758	0.4731	0.0441	0.9680	0.7551	1.1873	0.5758	0.4731	0.0441	0.9680	0.7551	1.1873	0.5758	0.4731
0.0327	0.9639	0.7891	1.0524	0.5224	0.4528	0.0549	0.9701	0.7365	1.2577	0.6026	0.4648	0.0549	0.9701	0.7365	1.2577	0.6026	0.4648	0.0549	0.9701	0.7365	1.2577	0.6026	0.4648
0.0485	0.9685	0.7527	1.1573	0.5805	0.4748	0.0684	0.9728	0.7125	1.3500	0.6361	0.5012	0.0684	0.9728	0.7125	1.3500	0.6361	0.5012	0.0684	0.9728	0.7125	1.3500	0.6361	0.5012
0.0617	0.9720	0.7211	1.3192	0.6260	0.4956	0.0815	0.9750	0.6908	1.4343	0.6653	0.5172	0.0815	0.9750	0.6908	1.4343	0.6653	0.5172	0.0815	0.9750	0.6908	1.4343	0.6653	0.5172
0.0843	0.9755	0.6885	1.4438	0.6694	0.5152	0.1118	0.9778	0.6605	1.5486	0.7026	0.5406	0.1118	0.9778	0.6605	1.5486	0.7026	0.5406	0.1118	0.9778	0.6605	1.5486	0.7026	0.5406
0.1152	0.9789	0.6521	1.5830	0.7143	0.5482	0.1565	0.9813	0.6224	1.6580	0.7476	0.5741	0.1565	0.9813	0.6224	1.6580	0.7476	0.5741	0.1565	0.9813	0.6224	1.6580	0.7476	0.5741
0.1350	0.9813	0.6255	1.6865	0.7453	0.5715	0.2050	0.9833	0.6005	1.7852	0.7720	0.5951	0.2050	0.9833	0.6005	1.7852	0.7720	0.5951	0.2050	0.9833	0.6005	1.7852	0.7720	0.5951
0.1595	0.9834	0.6020	1.7800	0.7716	0.5525	0.2507	0.9848	0.5822	1.8594	0.7917	0.6128	0.2507	0.9848	0.5822	1.8594	0.7917	0.6128	0.2507	0.9848	0.5822	1.8594	0.7917	0.6128
0.2401	0.9845	0.5867	1.8412	0.7880	0.6052	0.2953	0.9861	0.5657	1.9276	0.8090	0.6317	0.2953	0.9861	0.5657	1.9276	0.8090	0.6317	0.2953	0.9861	0.5657	1.9276	0.8090	0.6317
0.2865	0.9862	0.5694	1.9132	0.8065	0.6280	0.3455	0.9875	0.5464	2.0093	0.8288	0.6541	0.3455	0.9875	0.5464	2.0093	0.8288	0.6541	0.3455	0.9875	0.5464	2.0093	0.8288	0.6541
0.3347	0.9875	0.5510	1.9903	0.8254	0.6485	0.3897	0.9888	0.5296	2.0824	0.8456	0.6748	0.3897	0.9888	0.5296	2.0824	0.8456	0.6748	0.3897	0.9888	0.5296	2.0824	0.8456	0.6748
0.3818	0.9886	0.5356	2.0565	0.8409	0.6675	0.4374	0.9900	0.5133	2.1550	0.8615	0.6922	0.4374	0.9900	0.5133	2.1550	0.8615	0.6922	0.4374	0.9900	0.5133	2.1550	0.8615	0.6922
0.4284	0.9901	0.5183	2.1336	0.8581	0.6855	0.4831	0.9912	0.4965	2.2304	0.8773	0.7153	0.4831	0.9912	0.4965	2.2304	0.8773	0.7153	0.4831	0.9912	0.4965	2.2304	0.8773	0.7153
0.4766	0.9913	0.5023	2.2062	0.8735	0.7115	0.5287	0.9923	0.4841	2.3080	0.8894	0.7382	0.5287	0.9923	0.4841	2.3080	0.8894	0.7382	0.5287	0.9923	0.4841	2.3080	0.8894	0.7382
0.5207	0.9922	0.4863	2.2806	0.8886	0.7351	0.5825	0.9931	0.4702	2.3580	0.9023	0.7601	0.5825	0.9931	0.4702	2.3580	0.9023	0.7601	0.5825	0.9931	0.4702	2.3580	0.9023	0.7601
0.5691	0.9936	0.4721	2.3501	0.9020	0.7576	0.6345	0.9945	0.4546	2.4367	0.9167	0.7863	0.6345	0.9945	0.4546	2.4367	0.9167	0.7863	0.6345	0.9945	0.4546	2.4367	0.9167	0.7863
0.6220	0.9945	0.4560	2.4298	0.9267	0.7841	0.6787	0.9951	0.4427	2.4980	0.9273	0.8074	0.6787	0.9951	0.4427	2.4980	0.9273	0.8074	0.6787	0.9951	0.4427	2.4980	0.9273	0.8074
0.6645	0.9954	0.4448	2.4877	0.9268	0.8040	0.7315	0.9960	0.4297	2.5668	0.9388	0.8317	0.7315	0.9960	0.4297	2.5668	0.9388	0.8317	0.7315	0.9960	0.4297	2.5668	0.9388	0.8317
0.7165	0.9963	0.4315	2.5561	0.9384	0.8280	0.7784	0.9967	0.4180	2.6314	0.9492	0.8522	0.7784	0.9967	0.4180	2.6314	0.9492	0.8522	0.7784	0.9967	0.4180	2.6314	0.9492	0.8522
0.7611	0.9971	0.4215	2.6131	0.9476	0.8486	0.8268	0.9972	0.4081	2.6863	0.9577	0.8756	0.8268	0.9972	0.4081	2.6863	0.9577	0.8756	0.8268	0.9972	0.4081	2.6863	0.9577	0.8756
0.8112	0.9978	0.4115	2.6693	0.9564	0.8654	0.8738	0.9980	0.3985	2.7425	0.9660	0.8969	0.8738	0.9980	0.3985	2.7425	0.9660	0.8969	0.8738	0.9980	0.3985	2.7425	0.9660	0.8969
0.8574	0.9984	0.4020	2.7234	0.9645	0.8857	0.9196	0.9986	0.3896	2.7956	0.9736	0.9174	0.9196	0.9986	0.3896	2.7956	0.9736	0.9174	0.9196	0.9986	0.3896	2.7956	0.9736	0.9174
0.9066	0.9992	0.3926	2.7793	0.9726	0.9112	0.9758	0.9994	0.3795	2.8581	0.9823	0.9421	0.9758	0.9994	0.3795	2.8581	0.9823	0.9421	0.9758	0.9994	0.3795	2.8581	0.9823	0.9421
0.9544	0.9999	0.3845	2.8288	0.9796	0.9306	1.0233	0.9997	0.3734	2.8962	0.9874	0.9574	1.0233	0.9997	0.3734	2.8962	0.9874	0.9574	1.0233	0.9997	0.3734	2.8962	0.9874	0.9574
1.0053	1.0003	0.3774	2.8728	0.9855	0.9482	1.0755	1.0001	0.3683	2.9287	0.9916	0.9707	1.0755	1.0001	0.3683	2.9287	0.9916	0.9707	1.0755	1.0001	0.3683	2.9287	0.9916	0.9707
1.0520	1.0006	0.3724	2.9041	0.9898	0.9608	1.1218	1.0003	0.3650	2.9501	0.9944	0.9795	1.1218	1.0003	0.3650	2.9501	0.9944	0.9795	1.1218	1.0003	0.3650	2.9501	0.9944	0.9795
1.1003	1.0011	0.3682	2.9310	0.9933	0.9718	1.1713	1.0004	0.3630	2.9628	0.9960	0.9847	1.1713	1.0004	0.3630	2.9628	0.9960	0.9847	1.1713	1.0004	0.3630	2.9628	0.9960	0.9847
1.1485	1.0014	0.3655	2.9497	0.9957	0.9755	1.2252	1.0005	0.3615	2.9701	0.9969	0.9878	1.2252	1.0005	0.3615	2.9701	0.9969	0.9878	1.2252	1.0005	0.3615	2.9701	0.9969	0.9878
1.1971	1.0012	0.3638	2.9603	0.9970	0.9835	1.2743	1.0007	0.3613	2.9749	0.9975	0.9888	1.2743	1.0007	0.3613	2.9749	0.9975	0.9888	1.2743	1.0007	0.3613	2.9749	0.9975	0.9888
1.2492	1.0018	0.3618	2.9744	0.9988	0.9857	1.3217	1.0005	0.3606	2.9790	0.9980	0.9915	1.3217	1.0005	0.3606	2.9790	0.9980	0.9915	1.3217	1.0005	0.3606	2.9790	0.9980	0.9915
1.2945	1.0023	0.3602	2.9853	1.0002	0.9943	1.4175	1.0006	0.3592	2.9882	0.9992	0.9953	1.4175	1.0006	0.3592	2.9882	0.9992	0.9953	1.4175	1.0006	0.3592	2.9882	0.9992	0.9953

DEL = 0.4504	DEL = 0.690	DEL = 0.691	DEL = 0.691
THETA = 0.3190	THETA = 0.3119	THETA = 0.3119	THETA = 0.3119
RHOE = 0.2082	RHOE = 0.2076	RHOE = 0.2076	RHOE = 0.2076
	M = 5.250	M = 5.255	M = 5.255
	UE = 631.5 M/SEC	UE = 633.3 M/SEC	UE = 633.3 M/SEC
	RUN = 4131	RUN = 4132	RUN = 4132

MACH = 3.00	DO = 294.5 MPA	TO = 312.4 M	DEL = 0.4484	DELU = 0.6556	DEL = 0.4484	DELU = 0.6556
ALPHA = 6.34	Z/O = 3.33	PHI = 180	THETA = 0.0309	M = 5.183	THETA = 0.0309	M = 5.183
RPM = 0	PM = 4.558 MPA	REL = 703740	RHOE = 0.2060	KG/MM3	RHOE = 0.2060	KG/MM3

YDEL	TT/TO	M	U/VE	RHO/RHOE	YDEL	TT/TO	M	U/VE	RHO/RHOE
0.3000	0.9232	0.0000	0.0000	0.0000	0.3000	0.9232	0.0000	0.0000	0.0000
0.0170	0.9161	0.8441	0.4192	0.2895	0.0170	0.9161	0.8441	0.4192	0.2895
0.0342	0.9046	0.7956	0.5298	0.4582	0.0342	0.9046	0.7956	0.5298	0.4582
0.0527	0.8997	0.7433	0.5958	0.6454	0.0527	0.8997	0.7433	0.5958	0.6454
0.0700	0.9737	0.7067	0.6470	0.5954	0.0700	0.9737	0.7067	0.6470	0.5954
0.0897	0.9764	0.6790	0.6828	0.5302	0.0897	0.9764	0.6790	0.6828	0.5302
0.1155	0.9797	0.6455	0.7234	0.5575	0.1155	0.9797	0.6455	0.7234	0.5575
0.1491	0.9820	0.6170	0.7564	0.5825	0.1491	0.9820	0.6170	0.7564	0.5825
0.1951	0.9843	0.5941	0.7819	0.6041	0.1951	0.9843	0.5941	0.7819	0.6041
0.2401	0.9859	0.5755	0.8019	0.6238	0.2401	0.9859	0.5755	0.8019	0.6238
0.2824	0.9873	0.5581	0.8200	0.6455	0.2824	0.9873	0.5581	0.8200	0.6455
0.3305	0.9895	0.5417	0.8368	0.6680	0.3305	0.9895	0.5417	0.8368	0.6680
0.3793	0.9905	0.5265	0.8518	0.6840	0.3793	0.9905	0.5265	0.8518	0.6840
0.4238	0.9908	0.5107	0.8674	0.7053	0.4238	0.9908	0.5107	0.8674	0.7053
0.4722	0.9921	0.4956	0.8819	0.7295	0.4722	0.9921	0.4956	0.8819	0.7295
0.5175	0.9931	0.4811	0.8956	0.7555	0.5175	0.9931	0.4811	0.8956	0.7555
0.5665	0.9944	0.4683	0.9075	0.7835	0.5665	0.9944	0.4683	0.9075	0.7835
0.6138	0.9950	0.4560	0.9182	0.8131	0.6138	0.9950	0.4560	0.9182	0.8131
0.6613	0.9957	0.4428	0.9207	0.8434	0.6613	0.9957	0.4428	0.9207	0.8434
0.7102	0.9968	0.4320	0.9244	0.8741	0.7102	0.9968	0.4320	0.9244	0.8741
0.7622	0.9975	0.4217	0.9295	0.9046	0.7622	0.9975	0.4217	0.9295	0.9046
0.8035	0.9982	0.4125	0.9377	0.9379	0.8035	0.9982	0.4125	0.9377	0.9379
0.9561	0.9985	0.4025	0.9660	0.9646	0.9561	0.9985	0.4025	0.9660	0.9646
0.9982	0.9995	0.3955	0.9720	0.9705	0.9982	0.9995	0.3955	0.9720	0.9705
0.9506	1.0002	0.3877	0.9791	0.9700	0.9506	1.0002	0.3877	0.9791	0.9700
1.0502	1.0010	0.3805	0.9849	0.9667	1.0502	1.0010	0.3805	0.9849	0.9667
1.1002	1.0014	0.3752	0.9897	0.9640	1.1002	1.0014	0.3752	0.9897	0.9640
1.1490	1.0018	0.3710	0.9932	0.9622	1.1490	1.0018	0.3710	0.9932	0.9622
1.2488	1.0022	0.3678	0.9959	0.9606	1.2488	1.0022	0.3678	0.9959	0.9606
		0.3637	0.9995	0.9520			0.3637	0.9995	0.9520

DEL = 0.4484	DELU = 0.6556	DEL = 0.4484	DELU = 0.6556
THETA = 0.0309	M = 5.183	THETA = 0.0309	M = 5.183
RHOE = 0.2060	KG/MM3	RHOE = 0.2060	KG/MM3

MACH = 3.00	DO = 294.5 MPA	TO = 312.4 M	DEL = 0.4484	DELU = 0.6556	DEL = 0.4484	DELU = 0.6556
ALPHA = 6.34	Z/O = 3.33	PHI = 180	THETA = 0.0309	M = 5.183	THETA = 0.0309	M = 5.183
RPM = 0	PM = 4.558 MPA	REL = 703740	RHOE = 0.2060	KG/MM3	RHOE = 0.2060	KG/MM3

MACH = 3.00	PO = 298.0 KPA	TO = 310.1 K	MACH = 3.00	PO = 298.1 KPA	TO = 311.2 K
ALPHA = 6.34	Z/O = 3.33	PHI = 190.	ALPHA = 6.34	Z/O = 3.33	PHI = 190.
RPM = 0.	PW = 6.59 KPA	REL = 7228310.	RPM = 20000.	PW = 6.60 KPA	REL = 7161563.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9230	0.9230	0.0000	0.0000	0.3888
0.0180	0.9539	0.8572	0.7507	0.3895	0.4181
0.0250	0.9578	0.8368	0.8504	0.4358	0.4284
0.0404	0.9643	0.7931	1.0391	0.5184	0.4521
0.0656	0.9713	0.7345	1.2696	0.6796	0.4882
0.0881	0.9750	0.7010	1.3979	0.6556	0.5116
0.1190	0.9802	0.6684	1.5595	0.7214	0.5522
0.1504	0.9833	0.5148	1.7310	0.7801	0.6012
0.2334	0.9846	0.5966	1.8030	0.7801	0.6012
0.2840	0.9864	0.5784	1.8783	0.7999	0.6204
0.3364	0.9879	0.5592	1.9577	0.8199	0.6416
0.3804	0.9891	0.5433	2.0256	0.8361	0.6604
0.4351	0.9908	0.5231	2.1143	0.8563	0.6861
0.4818	0.9922	0.5075	2.1851	0.8716	0.7072
0.5256	0.9935	0.4918	2.2584	0.8867	0.7300
0.5801	0.9948	0.4759	2.3348	0.9017	0.7545
0.6302	0.9959	0.4616	2.4055	0.9149	0.7780
0.6865	0.9971	0.4470	2.4804	0.9282	0.8036
0.7338	0.9980	0.4352	2.5427	0.9388	0.8255
0.7827	0.9990	0.4234	2.6071	0.9493	0.8487
0.8317	0.9997	0.4120	2.6705	0.9593	0.8721
0.8868	1.0008	0.4014	2.7325	0.9686	0.8956
0.9344	1.0013	0.3925	2.7847	0.9761	0.9157
0.9898	1.0021	0.3837	2.8387	0.9837	0.9370
1.0361	1.0025	0.3771	2.8797	0.9893	0.9535
1.0935	1.0031	0.3708	2.9199	0.9946	0.9658
1.1386	1.0034	0.3675	2.9391	0.9971	0.9777
1.1994	1.0036	0.3652	2.9561	0.9993	0.9847
1.2464	1.0038	0.3635	2.9652	1.0004	0.9885
1.2995	1.0041	0.3632	2.9705	1.0011	0.9907
1.3491	1.0048	0.3626	2.9758	1.0018	0.9930

DEL = 0.4226	DELL = 0.674	DEL** = 0.1616 CM
THETA = 0.03031	M = 5.332	UE = 629.5 M/SEC
RHOE = 0.2084 KG/M**3		RUN = 4145

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9231	0.9231	0.0000	0.0000	0.3888
0.0482	0.9636	0.7940	1.0334	0.5150	0.4521
0.0690	0.9702	0.7405	1.2454	0.5993	0.4848
0.0885	0.9739	0.7057	1.3784	0.6476	0.5088
0.1122	0.9771	0.6752	1.4951	0.6870	0.5318
0.1360	0.9791	0.6535	1.5784	0.7134	0.5495
0.1596	0.9823	0.6187	1.7141	0.7539	0.5805
0.2336	0.9836	0.6000	1.7884	0.7745	0.5984
0.2807	0.9853	0.5820	1.8615	0.7940	0.6171
0.3267	0.9867	0.5641	1.9353	0.8127	0.6367
0.3755	0.9881	0.5462	2.0112	0.8311	0.6575
0.4255	0.9896	0.5288	2.0874	0.8486	0.6794
0.4762	0.9910	0.5118	2.1636	0.8653	0.7020
0.5210	0.9919	0.4960	2.2358	0.8803	0.7242
0.5734	0.9932	0.4807	2.3090	0.8949	0.7475
0.6225	0.9944	0.4658	2.3819	0.9087	0.7714
0.6725	0.9952	0.4520	2.4514	0.9213	0.7950
0.7207	0.9962	0.4393	2.5177	0.9328	0.8180
0.7751	0.9971	0.4254	2.5922	0.9451	0.8447
0.8205	0.9978	0.4145	2.6529	0.9547	0.8670
0.8765	0.9990	0.4021	2.7241	0.9654	0.8935
0.9281	0.9994	0.3927	2.7795	0.9735	0.9152
0.9768	1.0002	0.3825	2.8390	0.9818	0.9388
1.0226	1.0005	0.3758	2.8832	0.9878	0.9565
1.0747	1.0009	0.3695	2.9228	0.9930	0.9727
1.1223	1.0013	0.3661	2.9454	0.9960	0.9820
1.1840	1.0016	0.3635	2.9626	0.9982	0.9851
1.2273	1.0016	0.3625	2.9692	0.9990	0.9919
1.2780	1.0017	0.3615	2.9759	0.9998	0.9947
1.3414	1.0017	0.3605	2.9799	1.0003	0.9964

DEL = 0.4276	DELU = 0.719	DEL** = 0.1655 CM
THETA = 0.03086	M = 5.375	UE = 632.3 M/SEC
RHOE = 0.2070 KG/M**3		RUN = 4150

MACH = 3.00 ALPHA = 6.34 RPM = 20000.				PO = 297.5 KPA Z/O = 3.33 PW = 6.11 KPA				TO = 312.2 K PHI = 210 REL = 7085'			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9217	0.9217	0.0000	0.0000	0.3766	0.0000	0.9217	0.9217	0.0000	0.0000	0.3766
0.0222	0.9549	0.8430	0.8145	0.4145	0.4122	0.0602	0.9612	0.7541	1.1887	0.5717	0.4603
0.0425	0.9622	0.7957	1.0230	0.5057	0.4368	0.0831	0.9715	0.7155	1.3376	0.6266	0.4852
0.0653	0.9690	0.7421	1.2366	0.5903	0.4685	0.1144	0.9756	0.6759	1.4891	0.6780	0.5127
0.0895	0.9733	0.6995	1.3991	0.6485	0.4965	0.1474	0.9801	0.6454	1.6061	0.7146	0.5379
0.1242	0.9771	0.6604	1.5485	0.6974	0.5263	0.1685	0.9818	0.6282	1.6737	0.7346	0.5528
0.1555	0.9797	0.6341	1.6508	0.7284	0.5482	0.2005	0.9831	0.5930	1.7277	0.7569	0.5710
0.1817	0.9816	0.6118	1.7383	0.7535	0.5682	0.2321	0.9847	0.5711	1.8135	0.7734	0.5856
0.2450	0.9843	0.5784	1.8735	0.7895	0.6011	0.2892	0.9861	0.5506	1.9031	0.7965	0.6080
0.2981	0.9859	0.5585	1.9563	0.8101	0.6225	0.3415	0.9876	0.5272	1.9886	0.8173	0.6304
0.3604	0.9878	0.5365	2.0490	0.8319	0.6475	0.4045	0.9881	0.5091	2.0506	0.8407	0.6585
0.4179	0.9893	0.5165	2.1392	0.8519	0.6731	0.4576	0.9894	0.4903	2.1200	0.8583	0.6820
0.4756	0.9907	0.4965	2.2308	0.8710	0.7002	0.5092	0.9908	0.4710	2.2593	0.8761	0.7082
0.5356	0.9922	0.4757	2.3252	0.8895	0.7294	0.5673	0.9921	0.4528	2.4337	0.9106	0.7665
0.6062	0.9935	0.4572	2.4228	0.9075	0.7608	0.6309	0.9936	0.4355	2.5341	0.9260	0.7974
0.6640	0.9948	0.4407	2.5074	0.9222	0.7851	0.6910	0.9949	0.4213	2.6112	0.9385	0.8243
0.7293	0.9959	0.4238	2.5979	0.9371	0.8205	0.7425	0.9959	0.4055	2.6997	0.9520	0.8563
0.7892	0.9971	0.4085	2.6816	0.9500	0.8505	0.8064	0.9967	0.3915	2.7821	0.9640	0.8865
0.8492	0.9980	0.3950	2.7625	0.9619	0.8604	0.8688	0.9976	0.3790	2.8586	0.9745	0.9162
0.9075	0.9989	0.3833	2.8336	0.9718	0.8905	0.9313	0.9984	0.3612	2.9080	0.9811	0.9356
0.9659	0.9997	0.3730	2.8984	0.9805	0.9228	0.9689	0.9991	0.3554	3.0122	0.9894	0.9617
1.0358	1.0004	0.3623	2.9677	0.9894	0.9604	1.0322	1.0002	0.3519	3.0356	0.9942	0.9775
1.1075	1.0008	0.3563	3.0075	0.9943	0.9766	1.1607	1.0005	0.3503	3.0544	0.9970	0.9871
1.1624	1.0010	0.3530	3.0298	0.9970	0.9858	1.2202	1.0007	0.3492	3.0544	0.9984	0.9919
1.2936	1.0013	0.3505	3.0471	0.9991	0.9925	1.2818	1.0008	0.3492	3.0544	0.9993	0.9949
DEL = 0.3428	DELU = 0.552	DEL = 0.1225 CM				1.2800	1.0008	0.3492	3.0547	0.9993	0.9950
THETA = 0.0222	H = 5.471	UE = 635.6 M/SEC				DEL = 0.3617	DELU = 0.0614			DEL = 0.1421 CM	
RHOE = 0.1978 KG/M**3		RUN = 4156				THETA = 0.02557	H = 5.597			UE = 640.5 M/SEC	
						RHOE = 0.1974 KG/M**3				RUN = 4155	

[illegible]

MACH = 3.00 PO = 298.4 KPA TO = 310.3 K
 ALPHA = 6.34 Z/O = 3.33 PHI = 300.
 RPM = 0. PW = 6.91 KPA REL = 7190768.

Y/DEL	T/T/O	M	U/UE	RHO/RHOE
0.0000	0.9202	0.0000	0.0700	0.3644
0.0436	0.9671	1.2151	0.6845	0.5048
0.0904	0.9708	1.3489	0.7273	0.5344
0.1105	0.9739	1.4576	0.7623	0.5630
0.1508	0.9769	1.5882	0.7983	0.5874
0.1778	0.9802	1.7264	0.8133	0.6140
0.2317	0.9830	1.8579	0.8474	0.6559
0.2656	0.9851	1.9806	0.8770	0.6952
0.2724	0.9874	2.0901	0.8959	0.7305
0.3131	0.9894	2.2118	0.9077	0.7525
0.3775	0.9918	2.3558	0.9175	0.7719
0.4256	0.9922	2.4034	0.9304	0.7952
0.4835	0.9934	2.4431	0.9468	0.8374
0.5389	0.9937	2.5233	0.9589	0.8686
0.6145	0.9951	2.6254	0.9726	0.9077
0.6702	0.9964	2.7084	0.9820	0.9368
0.7155	0.9967	2.7468	0.9901	0.9634
0.7609	0.9970	2.7809	0.9962	0.9851
0.8238	0.9981	2.8440	0.9983	0.9928
0.8941	0.9987	2.9478	0.9995	0.9962
0.9505	0.9991	2.9806	0.9996	0.9972
1.0705	1.0001	3.0717	0.9996	0.9975
1.1997	1.0004	3.1125	0.9997	0.9980
1.3164	1.0004	3.1310		
1.4187	1.0006	3.1353		
1.5578	1.0009	3.1415		
1.6604	1.0007	3.1421		
1.8002	1.0007	3.1431		
1.8962	1.0009	3.1446		
2.0218	1.0009	3.1456		

DEL = 0.1748 DELL = .0254 DEL* = .0647 CM
 THETA = .01082 H = 5.742 UE = 643.5 M/SEC
 RHOE = 0.2320 KG/M**3 RUN = 4120

MACH = 3.00 PO = 298.4 KPA TO = 310.8 K
 ALPHA = 6.34 Z/D = 3.33 PHI = 330.
 RPM = 20000. PW = 8.22 KPA REL = 717114C.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	U/UE	RHO/RHOE
0.0000	0.9232	0.9233	0.0000	0.0000	0.3902	0.0000	0.3904
0.0508	0.9693	0.9742	0.5958	0.5958	0.4848	0.0000	0.5369
0.0889	0.9726	0.7142	1.3447	0.6361	0.5042	0.0000	0.5478
0.1075	0.9759	0.6811	1.4708	0.6794	0.5267	0.0000	0.5735
0.1347	0.9775	0.6613	1.5462	0.7038	0.5445	0.0000	0.5558
0.1735	0.9812	0.6224	1.6978	0.7497	0.5787	0.0000	0.6294
0.2047	0.9832	0.5984	1.7529	0.7763	0.6018	0.0000	0.6558
0.2320	0.9853	0.5739	1.8931	0.8027	0.6276	0.0000	0.6527
0.2594	0.9869	0.5559	1.9687	0.8215	0.6481	0.0000	0.7167
0.2825	0.9881	0.5350	2.0580	0.8425	0.6732	0.0000	0.7373
0.3102	0.9895	0.5192	2.1279	0.8582	0.6937	0.0000	0.7684
0.3457	0.9916	0.4940	2.2442	0.8826	0.7254	0.0000	0.7921
0.4008	0.9930	0.4751	2.3347	0.9004	0.7585	0.0000	0.8076
0.4601	0.9941	0.4614	2.4026	0.9131	0.7811	0.0000	0.8324
0.5314	0.9946	0.4513	2.4533	0.9222	0.7954	0.0000	0.8524
0.5911	0.9951	0.4425	2.4970	0.9298	0.8127	0.0000	0.8795
0.6590	0.9960	0.4324	2.5528	0.9392	0.8335	0.0000	0.9022
0.7231	0.9966	0.4230	2.6041	0.9476	0.8521	0.0000	0.9244
0.8116	0.9977	0.4087	2.6844	0.9601	0.8820	0.0000	0.9470
0.8479	0.9982	0.4017	2.7250	0.9652	0.8975	0.0000	0.9587
0.9288	0.9988	0.3886	2.8019	0.9773	0.9274	0.0000	0.9851
0.9938	0.9997	0.3804	2.8533	0.9844	0.9479	0.0000	0.9923
1.0631	1.0001	0.3734	2.8967	0.9903	0.9655	0.0000	0.9959
1.1204	1.0002	0.3692	2.9235	0.9938	0.9764	0.0000	0.9971
1.1983	1.0006	0.3658	2.9456	0.9966	0.9856	0.0000	0.9977
1.3427	1.0008	0.3625	2.9647	0.9991	0.9936	0.0000	0.9975
1.4841	1.0008	0.3621	2.9697	0.9997	0.9956	0.0000	0.9981
1.6072	1.0009	0.3620	2.9702	0.9998	0.9958	0.0000	0.9986
1.7349	1.0010	0.3618	2.9721	1.0000	0.9967	0.0000	0.9986
1.9098	1.0010	0.3618	2.9724	1.0000	0.9968	0.0000	0.9986
2.0423	1.0010	0.3618	2.9724	1.0000	0.9968	0.0000	0.9986
2.1794	1.0010	0.3618	2.9724	1.0000	0.9968	0.0000	0.9986
2.3341	1.0012	0.3617	2.9735	1.0002	0.9972	0.0000	0.9986
2.4675	1.0012	0.3617	2.9735	1.0002	0.9973	0.0000	0.9986

DEL = 0.1500 DELU = 0.213 DEL* = 0.0504 CM
 THETA = 0.0045 H = 5.313 UE = 631.0 M/SEC
 RHOE = 0.2566 KG/M**3 RUN = 4125

MACH = 3.00				PO = 297.8 KPA				TO = 309.6 K			
ALPHA = 2.10				Z/D = 4.44				PHI = 0.			
RPM = 20000				PW = 7.51 KPA				REL = 7457849.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9223	0.9223	0.0000	0.0000	0.3818	0.0000	0.9222	0.9222	0.0000	0.0000	0.3812
0.0328	0.9643	0.7833	1.0749	0.5286	0.4497	0.0803	0.9716	0.7171	1.3322	0.6264	0.4902
0.0957	0.9704	0.7360	1.2619	0.6014	0.4788	0.0939	0.9721	0.7056	1.3743	0.6412	0.4979
0.1123	0.9754	0.7023	1.3894	0.6469	0.5015	0.1103	0.9751	0.6807	1.4707	0.6738	0.5164
0.1402	0.9794	0.6784	1.4795	0.6772	0.5150	0.1376	0.9781	0.6542	1.5713	0.7059	0.5371
0.1625	0.9815	0.6425	1.6180	0.7207	0.5481	0.1650	0.9801	0.6299	1.6673	0.7347	0.5582
0.1876	0.9821	0.6190	1.7112	0.7479	0.5692	0.1865	0.9816	0.6108	1.7422	0.7561	0.5756
0.2118	0.9843	0.5781	1.8744	0.7920	0.6051	0.2034	0.9831	0.5996	1.7881	0.7886	0.5866
0.2332	0.9865	0.5595	1.9516	0.8112	0.6293	0.2282	0.9849	0.5849	1.8915	0.7957	0.6125
0.2718	0.9877	0.5444	2.0178	0.8270	0.6473	0.2503	0.9854	0.5608	1.9456	0.8091	0.6267
0.3679	0.9880	0.5324	2.0687	0.8387	0.6616	0.2696	0.9868	0.5411	2.0295	0.8291	0.6495
0.4105	0.9894	0.5187	2.1302	0.8523	0.6753	0.3667	0.9890	0.5286	2.0870	0.8422	0.6657
0.4675	0.9908	0.5024	2.2046	0.8680	0.7014	0.4113	0.9891	0.5174	2.1348	0.8526	0.6795
0.5133	0.9919	0.4871	2.2760	0.8824	0.7234	0.4365	0.9894	0.5073	2.1800	0.8623	0.6929
0.5621	0.9925	0.4728	2.3444	0.8956	0.7451	0.5038	0.9913	0.4868	2.2764	0.8819	0.7223
0.6053	0.9938	0.4617	2.4008	0.9060	0.7635	0.5546	0.9920	0.4736	2.3397	0.8941	0.7424
0.6632	0.9952	0.4444	2.4892	0.9216	0.7922	0.5998	0.9930	0.4589	2.4124	0.9075	0.7661
0.7096	0.9965	0.4313	2.5575	0.9331	0.8169	0.6453	0.9938	0.4472	2.4721	0.9180	0.7861
0.7532	0.9960	0.4182	2.6280	0.9444	0.8421	0.6794	0.9951	0.4366	2.5293	0.9277	0.8057
0.8223	0.9974	0.3994	2.7362	0.9607	0.8820	0.7423	0.9961	0.4214	2.6111	0.9410	0.8346
0.8910	0.9978	0.3867	2.8112	0.9714	0.9107	0.7852	0.9965	0.4101	2.6736	0.9507	0.8573
0.9707	0.9990	0.3741	2.8902	0.9821	0.9417	0.8342	0.9977	0.3994	2.7368	0.9601	0.8808
1.0395	0.9998	0.3666	2.9386	0.9884	0.9611	0.9053	0.9986	0.3828	2.8363	0.9741	0.9150
1.1430	1.0000	0.3580	2.9943	0.9954	0.9839	0.9790	0.9987	0.3722	2.9012	0.9828	0.9446
1.2544	0.9999	0.3544	3.0179	0.9983	0.9937	1.0355	0.9993	0.3633	2.9587	0.9902	0.9678
1.3659	1.0003	0.3531	3.0275	0.9995	0.9977	1.1240	0.9996	0.3582	2.9921	0.9944	0.9814
1.4432	1.0005	0.3527	3.0304	0.9998	0.9989	1.2134	1.0005	0.3549	3.0161	0.9973	0.9914
1.5442	0.9994	0.3521	3.0319	1.0000	0.9956	1.3325	1.0006	0.3531	3.0277	0.9987	0.9962
1.6468	1.0000	0.3522	3.0325	1.0001	0.9958	1.4138	1.0002	0.3525	3.0286	0.9988	0.9966
1.7498	1.0004	0.3522	3.0331	1.0002	1.0001	1.6272	0.9997	0.3525	3.0301	0.9990	0.9972
1.8576	1.0004	0.3522	3.0331	1.0002	1.0001	1.7174	1.0003	0.3526	3.0307	0.9991	0.9974
2.0609	1.0000	0.3522	3.0328	1.0001	0.9955	2.3248	0.9999	0.3521	3.0331	0.9994	0.9984
2.3683	1.0007	0.3522	3.0317	1.0000	0.9954	2.8574	1.0005	0.3523	3.0328	0.9994	0.9983
2.8946	1.0003	0.3522	3.0334	1.0002	1.0002	3.3665	1.0005	0.3523	3.0331	0.9994	0.9985
3.4259	1.0009	0.3523	3.0337	1.0002	1.0003	3.8825	1.0003	0.3521	3.0343	0.9995	0.9990
3.9521	1.0002	0.3523	3.0346	1.0003	1.0007	4.3813	1.0003	0.3519	3.0352	0.9997	0.9993
4.4755	1.0004	0.3520	3.0346	1.0003	1.0007	4.8901	0.9996	0.3519	3.0340	0.9995	0.9988
4.9633	1.0002	0.3515	3.0352	1.0004	1.0005	5.3791	0.9998	0.3515	3.0367	0.9998	0.9995
5.4682	1.0002	0.3520	3.0340	1.0003	1.0004						

MACH = 3.00				PO = 297.9 KPA				TO = 309.6 K			
ALPHA = 2.10				Z/D = 4.44				PHI = 0.			
RPM = 20000				PW = 7.51 KPA				REL = 7456094.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9222	0.9222	0.0000	0.0000	0.3812	0.0000	0.9222	0.9222	0.0000	0.0000	0.3812
0.0803	0.9716	0.7171	1.3322	0.6264	0.4902	0.0803	0.9716	0.7171	1.3322	0.6264	0.4902
0.0939	0.9721	0.7056	1.3743	0.6412	0.4979	0.0939	0.9721	0.7056	1.3743	0.6412	0.4979
0.1103	0.9751	0.6807	1.4707	0.6738	0.5164	0.1103	0.9751	0.6807	1.4707	0.6738	0.5164
0.1376	0.9781	0.6542	1.5713	0.7059	0.5371	0.1376	0.9781	0.6542	1.5713	0.7059	0.5371
0.1650	0.9801	0.6299	1.6673	0.7347	0.5582	0.1650	0.9801	0.6299	1.6673	0.7347	0.5582
0.1865	0.9816	0.6108	1.7422	0.7561	0.5756	0.1865	0.9816	0.6108	1.7422	0.7561	0.5756
0.2034	0.9831	0.5996	1.7881	0.7886	0.5866	0.2034	0.9831	0.5996	1.7881	0.7886	0.5866
0.2282	0.9849	0.5849	1.8915	0.7957	0.6125	0.2282	0.9849	0.5849	1.8915	0.7957	0.6125
0.2503	0.9854	0.5608	1.9456	0.8091	0.6267	0.2503	0.9854	0.5608	1.9456	0.8091	0.6267
0.2696	0.9868	0.5411	2.0295	0.8291	0.6495	0.2696	0.9868	0.5411	2.0295	0.8291	0.6495
0.3667	0.9890	0.5286	2.0870	0.8422	0.6657	0.3667	0.9890	0.5286	2.0870	0.8422	0.6657
0.4113	0.9891	0.5174	2.1348	0.8526	0.6795	0.4113	0.9891	0.5174	2.1348	0.8526	0.6795
0.4365	0.9894	0.5073	2.1800	0.8623	0.6929	0.4365	0.9894	0.5073	2.1800	0.8623	0.6929
0.5038	0.9913	0.4868	2.2764	0.8819	0.7223	0.5038	0.9913	0.4868	2.2764	0.8819	0.7223
0.5546	0.9920	0.4736	2.3397	0.8941	0.7424	0.5546	0.9920	0.4736	2.3397	0.8941	0.7424
0.5998	0.9930	0.4589	2.4124	0.9075	0.7661	0.5998	0.9930	0.4589	2.4124	0.9075	0.7661
0.6453	0.9938	0.4472	2.4721	0.9180	0.7861	0.6453	0.9938	0.4472	2.4721	0.9180	0.7861
0.6794	0.9951	0.4366	2.5293	0.9277	0.8057	0.6794	0.9951	0.4366	2.5293	0.9277	0.8057
0.7423	0.9961	0.4214	2.6111	0.9410	0.8346	0.7423	0.9961	0.4214	2.6111	0.9410	0.8346
0.7852	0.9965	0.4101	2.6736	0.9507	0.8573	0.7852	0.9965	0.4101	2.6736	0.9507	0.8573
0.8342	0.9977	0.3994	2.7368	0.9601	0.8808	0.8342	0.9977	0.3994	2.7368	0.9601	0.8808
0.9053	0.9986	0.3828	2.8363	0.9741	0.9150	0.9053	0.9986	0.3828	2.8363	0.9741	0.9150
0.9790	0.9987	0.3722	2.9012	0.9828	0.9446	0.9790	0.9987	0.3722	2.9012	0.9828	0.9446
1.0355	0.9993	0.3633	2.9587	0.9902	0.9678	1.0355	0.9993	0.3633	2.9587	0.9902	0.9678
1.1240	0.9996	0.3582	2.9921	0.9944	0.9814	1.1240	0.9996	0.3582	2.9921	0.9944	0.9814
1.2134	1.0005	0.3549	3.0161	0.9973	0.9914	1.2134	1.0005	0.3549	3.0161	0.9973	0.9914
1.3325	1.0006	0.3531	3.0277	0.9987	0.9962	1.3325	1.0006	0.3531	3.0277	0.9987	0.9962
1.4138	1.0002	0.3525	3.0286	0.9988	0.9966	1.4138	1.0002	0.3525	3.0286	0.9988	0.9966
1.6272	0.9997	0.3525	3.0301	0.9990	0.9972	1.6272	0.9997	0.3525	3.0301	0.9990	0.9972
1.7174	1.0003	0.3526	3.0307	0.9991	0.9974	1.7174	1.0003	0.3526	3.0307	0.9991	0.9974
2.3248	0.9999	0.3521	3.0331	0.9994	0.9984	2.3248	0.9999	0.3521	3.0331	0.9994	0.9984
2.8574	1.0005	0.3523	3.0328	0.9994	0.9983	2.8574	1.0005	0.3523	3.0328	0.9994	0.9983
3.3665	1.0005	0.3523	3.0331	0.9994	0.9985	3.3665	1.0005	0.3523	3.0331	0.9994	0.9985
3.8825	1.0003	0.3521	3.0343	0.9995	0.9990	3.8825	1.0003	0.3521	3.0343	0.9995	0.9990
4.3813	1.0003	0.3519	3.0352	0.9997	0.9993	4.3813	1.0003	0.3519	3.0352	0.9997	0.9993
4.8901	0.9996	0.3519	3.0340	0.9995	0.9988	4.8901	0.9996	0.3519	3.0340	0.9995	0.9988
5.3791	0.9998	0.3515	3.0367	0.9998	0.9995	5.3791	0.9998	0.3515	3.0367	0.9998	0.9995

MACH = 3.00				PO = 297.8 KPA				TO = 309.6 K			
ALPHA = 2.10				Z/D = 4.44				PHI = 0.			
RPM = 20000				PW = 7.51 KPA				REL = 7457849.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9223	0.9223	0.0000	0.0000	0.3818	0.0000	0.9222	0.9222	0.0000	0.0000	0.3812
0.0328	0.9643	0.7833	1.0749	0.5286	0.4497	0.0803	0.9716	0.7171	1.3322	0.6264	0.4902
0.0957	0.9704	0.7360	1.2619	0.6014	0.4788	0.0939	0.9721	0.7056	1.3743	0.6412	0.4979
0.1123	0.9754	0.7023	1.3894	0.6469	0.5015	0.1103	0.9751	0.6807	1.4707	0.6738	0.5164
0.1402	0.9794	0.6784	1.4795	0.6772	0.5150	0.1376	0.9781	0.6542	1.5713	0.7059	0.5371
0.1625	0.9815	0.6425	1.6180	0.7207	0.5481	0.1650	0.9801	0.6299	1.6673	0.7347	0.5582
0.1876	0.9821	0.6190	1.7112	0.7479	0.5692	0.1865	0.9816	0.610			

MACH = 3.00	PO = 298.1 KPA	TO = 308.6 K		
ALPHA = 2.10	Z/D = 4.44	PHI = 30.		
RPM = 6.	PW = 7.40 KPA	REL = 7497992.		

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9220	0.9220	0.0000	0.0000	0.3759
0.0332	0.9628	0.7918	1.0390	0.5128	0.4424
0.0576	0.9706	0.7241	1.3047	0.6159	0.4837
0.0750	0.9729	0.7034	1.3842	0.6439	0.4980
0.0997	0.9763	0.6690	1.5153	0.6875	0.5236
0.1221	0.9779	0.6497	1.5893	0.7106	0.5351
0.1420	0.9794	0.6347	1.6478	0.7282	0.5515
0.1744	0.9820	0.6045	1.7653	0.7616	0.5791
0.2227	0.9836	0.5843	1.8485	0.7838	0.5955
0.2584	0.9846	0.5703	1.9057	0.7984	0.6141
0.3096	0.9856	0.5548	1.9705	0.8143	0.6312
0.3865	0.9873	0.5325	2.0667	0.8367	0.6577
0.4595	0.9885	0.5160	2.1396	0.8527	0.6786
0.5168	0.9907	0.4886	2.2666	0.8789	0.7168
0.5922	0.9923	0.4655	2.3768	0.9000	0.7518
0.6507	0.9938	0.4460	2.4781	0.9180	0.7854
0.7245	0.9949	0.4250	2.5891	0.9364	0.8239
0.7888	0.9960	0.4057	2.6970	0.9531	0.8630
0.8691	0.9976	0.3865	2.8115	0.9696	0.9062
0.9607	0.9982	0.3731	2.8943	0.9808	0.9386
1.0612	0.9995	0.3608	2.9739	0.9910	0.9706
1.1472	0.9995	0.3547	3.0146	0.9960	0.9873
1.2417	0.9993	0.3523	3.0303	0.9979	0.9939
1.3281	0.9996	0.3515	3.0360	0.9986	0.9962
1.4342	0.9996	0.3513	3.0373	0.9988	0.9967
1.6136	0.9996	0.3513	3.0373	0.9988	0.9967
1.8045	0.9994	0.3511	3.0382	0.9989	0.9971
2.0667	0.9996	0.3511	3.0391	0.9990	0.9975
2.2661	0.9992	0.3507	3.0406	0.9992	0.9981
2.4435	0.9996	0.3506	3.0426	0.9994	0.9950
2.6992	0.9993	0.3502	3.0435	0.9995	0.9954
2.9124	0.9993	0.3501	3.0450	0.9997	1.0000
3.1924	0.9995	0.3502	3.0444	0.9996	0.9997
3.6635	0.9996	0.3502	3.0453	0.9998	1.0001
5.1007	0.9996	0.3502	3.0453	0.9998	1.0001

DEL = 0.2298	DELU = 0.364	DEL* = 0.874 CM
THETA = 0.0128	H = 5.368	UE = 634.8 M/SEC
RHOE = 0.2388 KG/M**3	M =	RUN = 2028

MACH = 3.00	PO = 298.1 KPA	TO = 308.5 K
ALPHA = 2.10	Z/D = 4.44	PHI = 30.
RPM = 20000.	PW = 7.40 KPA	REL = 7500275.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9220	0.9220	0.0000	0.0000	0.3797
0.0337	0.9761	0.6712	1.5067	0.6846	0.5215
0.1212	0.9770	0.6585	1.5538	0.6995	0.5312
0.1490	0.9791	0.6358	1.6431	0.7267	0.5505
0.1667	0.9802	0.6207	1.7018	0.7437	0.5638
0.1845	0.9818	0.6066	1.7585	0.7596	0.5771
0.2102	0.9821	0.6028	1.7740	0.7638	0.5808
0.2258	0.9836	0.5853	1.8444	0.7826	0.5981
0.2646	0.9847	0.5685	1.9115	0.7997	0.6152
0.3114	0.9860	0.5524	1.9812	0.8167	0.6327
0.3479	0.9869	0.5400	2.0342	0.8291	0.6482
0.3923	0.9880	0.5259	2.0562	0.8431	0.6656
0.4343	0.9889	0.5112	2.1617	0.8573	0.6847
0.4897	0.9904	0.4954	2.2351	0.8725	0.7067
0.5320	0.9914	0.4817	2.3000	0.8853	0.7268
0.5771	0.9921	0.4686	2.3633	0.8973	0.7470
0.6224	0.9931	0.4540	2.4367	0.9106	0.7710
0.6947	0.9944	0.4342	2.5395	0.9282	0.8060
0.7539	0.9953	0.4177	2.6295	0.9427	0.8379
0.8242	0.9967	0.3990	2.7367	0.9588	0.8772
0.9812	0.9975	0.3874	2.8059	0.9687	0.9025
0.9768	0.9987	0.3708	2.9095	0.9826	0.9441
1.0761	0.9990	0.3597	2.9809	0.9917	0.9729
1.1520	0.9995	0.3552	3.0113	0.9955	0.9854
1.2562	0.9995	0.3525	3.0294	0.9977	0.9929
1.3438	0.9995	0.3520	3.0337	0.9982	0.9946
1.5451	0.9997	0.3516	3.0360	0.9985	0.9956
1.8272	0.9995	0.3513	3.0373	0.9986	0.9961
2.3070	0.9997	0.3511	3.0394	0.9989	0.9970
2.7988	0.9996	0.3509	3.0403	0.9990	0.9974
3.2833	0.9994	0.3507	3.0409	0.9990	0.9976
3.7711	0.9998	0.3506	3.0427	0.9993	0.9984
4.2421	0.9996	0.3505	3.0433	0.9993	0.9986
4.7258	0.9996	0.3507	3.0418	0.9991	0.9980
5.1715	0.9996	0.3501	3.0454	0.9996	0.9995

DEL = 0.2266	DELU = 0.381	DEL* = 0.871 CM
THETA = 0.0154	H = 5.631	UE = 634.8 M/SEC
RHOE = 0.2389 KG/M**3	M =	RUN = 2025

MACH = 3.00 PO = 298.4 KPA TO = 304.5 K
 ALPHA = 2.10 Z/D = 4.44 PHI = 60.
 RPM = 2000.0 PW = 7.13 KPA REL = 7658950.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9214	0.9215	0.0000	0.0000	0.3751
0.0398	0.9626	0.9729	1.3956	0.6460	0.4937
0.0872	0.9662	0.9751	1.4818	0.6747	0.5102
0.0721	0.9716	0.9771	1.5543	0.6978	0.5248
0.0893	0.9739	0.9786	1.6183	0.7173	0.5383
0.1046	0.9764	0.9812	1.6168	0.7465	0.5608
0.1326	0.9782	0.9829	1.8192	0.7739	0.5846
0.1607	0.9803	0.9845	1.8874	0.7915	0.6015
0.1935	0.9820	0.9857	1.9339	0.8031	0.6135
0.2452	0.9838	0.9869	2.0095	0.8211	0.6335
0.2736	0.9848	0.9878	2.0688	0.8347	0.6457
0.3252	0.9862	0.9891	2.1344	0.8492	0.6683
0.3667	0.9872	0.9902	2.1962	0.8622	0.6863
0.4136	0.9885	0.9916	2.2723	0.8775	0.7092
0.4553	0.9894	0.9923	2.3371	0.8900	0.7254
0.4999	0.9907	0.9935	2.4076	0.9030	0.7520
0.5446	0.9921	0.9941	2.4615	0.9125	0.7657
0.5816	0.9930	0.9942	2.5676	0.9303	0.8037
0.6232	0.9941	0.9958	2.6140	0.9437	0.8358
0.6824	0.9955	0.9966	2.7335	0.9587	0.8726
0.7197	0.9960	0.9977	2.8240	0.9686	0.8952
0.7625	0.9966	0.9983	2.8871	0.9771	0.9236
0.8082	0.9974	0.9985	2.9317	0.9854	0.9451
0.8455	0.9975	0.9993	3.0015	0.9916	0.9652
0.8891	0.9985	0.9993	3.0405	0.9963	0.9851
0.9486	0.9992	0.9999	3.0582	0.9984	0.9924
1.0093	1.0002	1.0006	3.0642	0.9991	0.9945
1.0843	1.0003	1.0008	3.073	0.9995	0.9962
1.1785	1.0005	1.0008	3.073	0.9996	0.9966
1.2653	1.0010	1.0009	3.0703	0.9999	0.9975
1.3603	1.0010	1.0009	3.0719	1.0000	0.9981
1.5397	1.0012	1.0009	3.0725	1.0001	0.9984
1.7284	1.0010	1.0009	3.0725	1.0004	0.9984
2.2016	1.0012	1.0009	3.0725	1.0005	0.9984
2.6841	1.0012	1.0009	3.0725	1.0005	0.9984
3.1622	1.0013	1.0007	3.0737	1.0002	0.9989
3.6320	1.0013	1.0007	3.0737	1.0002	0.9989
4.1228	1.0013	1.0007	3.0737	1.0002	0.9989
4.6022	1.0017	1.0007	3.0737	1.0009	1.0011
5.0445	1.0013	1.0009	3.0781	1.0009	1.0009

DEL = 0.2297 DELL = .0365 DEL** = .0888 CM
 THETA = .01619 H = 5.485 UE = 632.4 M/SEC
 RHOE = 0.2360 KG/M**3 RUN = 2035

MACH = 3.00 PO = 298.5 KPA TO = 304.7 K
 ALPHA = 2.10 Z/D = 4.44 PHI = 60.
 RPM = 2000.0 PW = 7.13 KPA REL = 7675431.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9214	0.9215	0.0000	0.0000	0.3747
0.0398	0.9626	0.9729	1.0495	0.5157	0.4377
0.0872	0.9662	0.9751	1.1649	0.5453	0.4543
0.0721	0.9716	0.9771	1.3539	0.6316	0.4856
0.0893	0.9739	0.9786	1.4325	0.6586	0.5001
0.1046	0.9764	0.9812	1.5316	0.6908	0.5156
0.1326	0.9782	0.9829	1.6093	0.7147	0.5358
0.1607	0.9803	0.9845	1.6951	0.7399	0.5547
0.1935	0.9820	0.9857	1.7756	0.7623	0.5734
0.2452	0.9838	0.9869	1.8599	0.7846	0.5940
0.2736	0.9848	0.9878	1.9141	0.7983	0.6077
0.3252	0.9862	0.9891	1.9908	0.8169	0.6278
0.3667	0.9872	0.9902	2.0470	0.8299	0.6430
0.4136	0.9885	0.9916	2.1121	0.8444	0.6612
0.4553	0.9894	0.9923	2.1755	0.8580	0.6755
0.4999	0.9907	0.9935	2.2495	0.8731	0.7015
0.5446	0.9921	0.9941	2.3294	0.8887	0.7262
0.5816	0.9930	0.9942	2.3977	0.9013	0.7479
0.6232	0.9941	0.9958	2.4794	0.9157	0.7748
0.6824	0.9955	0.9966	2.5705	0.9309	0.8058
0.7197	0.9960	0.9977	2.6189	0.9386	0.8228
0.7625	0.9966	0.9983	2.6696	0.9464	0.8409
0.8082	0.9974	0.9985	2.7195	0.9539	0.8551
0.8455	0.9975	0.9993	2.7700	0.9612	0.8778
0.8891	0.9985	0.9993	2.8212	0.9683	0.8972
0.9486	0.9992	0.9999	2.8927	0.9779	0.9247
1.0093	1.0002	1.0006	2.9570	0.9862	0.9502
1.0843	1.0003	1.0008	3.0094	0.9927	0.9713
1.1785	1.0005	1.0008	3.0484	0.9974	0.9873
1.2653	1.0010	1.0009	3.0632	0.9991	0.9934
1.3603	1.0010	1.0009	3.0676	0.9997	0.9952
1.5397	1.0012	1.0009	3.0694	0.9999	0.9960
1.7284	1.0010	1.0009	3.0701	1.0000	0.9963
2.2016	1.0012	1.0009	3.0707	1.0003	0.9965
2.6841	1.0012	1.0009	3.0722	1.0002	0.9972
3.1622	1.0013	1.0007	3.0738	1.0004	0.9978
3.6320	1.0013	1.0007	3.0763	1.0007	0.9988
4.1228	1.0013	1.0007	3.0775	1.0008	0.9994
4.6022	1.0017	1.0007	3.0769	1.0007	0.9991
5.0445	1.0013	1.0009	3.0781	1.0009	0.9996

DEL = 0.2297 DELL = .0365 DEL** = .0888 CM
 THETA = .01619 H = 5.485 UE = 632.4 M/SEC
 RHOE = 0.2360 KG/M**3 RUN = 2035

MACH = 3.00 P0 = 298.1 KPA T0 = 309.6 K
 ALPHA = 2.10 Z/D = 4.44 PHI = 90.
 RPM = 2000. PW = 6.86 KPA REL=7466373.

W/DEL	TT/TO	T/T/O	M	U/UE	RHO/RHOE
0.0000	0.5209	0.9209	0.0000	0.0000	0.3700
0.0000	0.5686	0.7398	1.2434	0.5890	0.4607
0.0070	0.5716	0.7154	1.3381	0.6232	0.4765
0.0132	0.5747	0.6787	1.4770	0.6702	0.5021
0.01295	0.5762	0.6613	1.5430	0.6912	0.5151
0.01528	0.5797	0.6358	1.6444	0.7219	0.5364
0.02089	0.5824	0.5922	1.8129	0.7688	0.5745
0.02418	0.5836	0.5781	1.8726	0.7843	0.5854
0.02984	0.5858	0.5525	1.9803	0.8107	0.6165
0.03600	0.5878	0.5322	2.0687	0.8310	0.6406
0.04195	0.5887	0.5124	2.1558	0.8500	0.6650
0.04820	0.5902	0.4914	2.2529	0.8699	0.6934
0.05480	0.5924	0.4708	2.3535	0.8892	0.7242
0.05749	0.5927	0.4612	2.4004	0.8977	0.7351
0.06336	0.5937	0.4415	2.4986	0.9148	0.7711
0.06995	0.5949	0.4239	2.5950	0.9306	0.8038
0.07638	0.5961	0.4077	2.6862	0.9447	0.8359
0.08204	0.5971	0.3921	2.7774	0.9579	0.8691
0.08915	0.5984	0.3781	2.8638	0.9697	0.9016
0.09463	0.5985	0.3681	2.9262	0.9778	0.9257
0.10131	0.5995	0.3575	2.9963	0.9866	0.9534
0.10726	0.6000	0.3516	3.0365	0.9915	0.9656
0.11148	0.6009	0.3481	3.0596	0.9942	0.9750
0.12115	0.6003	0.3466	3.0844	0.9971	0.9851
0.12985	0.6004	0.3434	3.0930	0.9981	0.9927
0.13855	0.6006	0.3406	3.0962	0.9985	0.9940
0.14540	0.6005	0.3424	3.0984	0.9987	0.9945
0.159761	0.6008	0.3424	3.1007	0.9990	0.9955
0.23919	0.6009	0.3418	3.1026	0.9992	0.9957
0.27982	0.6003	0.3416	3.1048	0.9995	0.9976
0.32401	0.6003	0.3414	3.1067	0.9997	0.9954
0.363304	0.6003	0.3412	3.1077	0.9998	0.9958
0.40420	0.6002	0.3411	3.1080	0.9998	0.9958

DEL# = .1030 CM
UE = 640.4 M/SEC
RUN = 2061

MACH = 3.00 PO = 298.0 KPA TO = 305.4 K
 ALPHA = 2.10 Z/D = 4.44 PHI = 170.
 RPM = 0. PW = 6.86 KPA REL = 7347367.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3722
0.0573	0.9698	0.7276	1.2501	0.6072	0.4712
0.0840	0.9730	0.6965	1.4090	0.6489	0.4922
0.1267	0.9767	0.6586	1.5541	0.6959	0.5206
0.1825	0.9798	0.6240	1.6883	0.7360	0.5454
0.2358	0.9821	0.5986	1.7897	0.7640	0.5728
0.2887	0.9838	0.5764	1.8798	0.7875	0.5948
0.3403	0.9853	0.5571	1.9604	0.8074	0.6154
0.3985	0.9872	0.5347	2.0370	0.8299	0.6413
0.4546	0.9887	0.5140	2.1489	0.8501	0.6671
0.5085	0.9901	0.4932	2.2443	0.8698	0.6951
0.5637	0.9917	0.4727	2.3428	0.8888	0.7253
0.6188	0.9928	0.4545	2.4315	0.9049	0.7537
0.6812	0.9942	0.4361	2.5297	0.9218	0.7863
0.7458	0.9952	0.4190	2.6222	0.9366	0.8182
0.7986	0.9962	0.4042	2.7062	0.9494	0.8482
0.8579	0.9972	0.3904	2.7881	0.9612	0.8784
0.9228	0.9979	0.3765	2.8726	0.9727	0.9105
0.9805	0.9988	0.3645	2.9474	0.9824	0.9357
1.0403	0.9994	0.3557	3.0079	0.9899	0.9635
1.1015	0.9996	0.3490	3.0528	0.9953	0.9822
1.1583	1.0001	0.3451	3.0807	0.9985	0.9937
1.2239	1.0002	0.3434	3.0924	0.9999	0.9986
1.2786	1.0002	0.3428	3.0966	1.0004	1.0003
1.4047	1.0002	0.3425	3.0988	1.0006	1.0012
1.5870	1.0000	0.3424	3.0988	1.0006	1.0012
1.8898	1.0000	0.3425	3.0981	1.0006	1.0005
2.2166	1.0004	0.3427	3.0975	1.0005	1.0007

DEL = 0.3545 DELL = 0.604 DEL = 0.1427 CM
 THETA = 0.2536 M = 5.629 UE = 634.8 M/SEC
 RHOE = 0.2294 KG/M**3 RUN = 4058

MACH = 3.00 PO = 297.9 KPA TO = 305.4 K
 ALPHA = 2.10 Z/D = 4.44 PHI = 170.
 RPM = 20000. PW = 6.86 KPA REL = 7345089.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3722
0.1224	0.9756	0.6695	1.5120	0.6825	0.5122
0.1816	0.9792	0.6305	1.6629	0.7285	0.5439
0.2334	0.9813	0.6062	1.7590	0.7556	0.5657
0.2848	0.9833	0.5820	1.8568	0.7815	0.5852
0.3466	0.9851	0.5586	1.9531	0.8055	0.6136
0.4022	0.9869	0.5360	2.0511	0.8284	0.6358
0.4462	0.9880	0.5189	2.1260	0.8450	0.6607
0.5110	0.9898	0.4943	2.2387	0.8684	0.6936
0.5711	0.9916	0.4721	2.3458	0.8892	0.7264
0.6230	0.9928	0.4548	2.4319	0.9048	0.7540
0.6891	0.9942	0.4337	2.5118	0.9235	0.7906
0.7417	0.9952	0.4184	2.6254	0.9369	0.8156
0.7965	0.9962	0.4035	2.7098	0.9497	0.8458
0.8487	0.9970	0.3907	2.7854	0.9606	0.8777
0.9156	0.9979	0.3767	2.8712	0.9723	0.9102
0.9699	0.9986	0.3663	2.9377	0.9809	0.9362
1.0408	0.9992	0.3552	3.0107	0.9900	0.9632
1.1027	0.9996	0.3487	3.0554	0.9953	0.9835
1.1629	0.9999	0.3450	3.0810	0.9983	0.9941
1.2251	1.0000	0.3435	3.0914	0.9996	0.9984
1.2856	0.9998	0.3428	3.0956	1.0000	1.0001
1.3992	1.0000	0.3427	3.0972	1.0002	1.0008
1.5934	1.0000	0.3426	3.0975	1.0003	1.0005
1.9065	1.0000	0.3427	3.0965	1.0001	1.0005
2.2175	1.0000	0.3427	3.0966	1.0001	1.0005

DEL = 0.3531 DELL = 0.655 DEL = 0.1445 CM
 THETA = 0.2438 H = 5.542 UE = 634.9 M/SEC
 RHOE = 0.2293 KG/M**3 RUN = 4095

[illegible]

PO = 298.6 KPA TO = 305.8 K
Z/D= 4.44 PHI= 190.
PW = 6.87 KPA QEL=7363821.

/DEL	TT/TO	T7/TO	M	U/UE	RHO/R-POE
.0000	0.9211	0.9211	0.0000	0.0000	0.3715
.0765	0.9742	0.6850	1.4528	0.6643	0.5000
.1117	0.9768	0.6800	1.5492	0.6952	0.5151
.1625	0.9797	0.6377	1.6744	0.7328	0.5458
.2292	0.9825	0.5977	1.7942	0.7662	0.5734
.2847	0.9843	0.5744	1.8890	0.7908	0.5965
.3414	0.9860	0.5531	1.9785	0.8127	0.6196
.3985	0.9876	0.5326	2.0668	0.8332	0.6434
.4632	0.9895	0.5071	2.1809	0.8578	0.6757
.5375	0.9912	0.4987	2.2677	0.8754	0.7015
.5794	0.9927	0.4672	2.3715	0.8952	0.7237
.6437	0.9941	0.4467	2.4754	0.9137	0.7674
.7009	0.9956	0.4300	2.5645	0.9285	0.7975
.7622	0.9965	0.4137	2.6539	0.9426	0.8287
.8260	0.9975	0.3983	2.7427	0.9559	0.8608
.8930	0.9987	0.3927	2.8368	0.9690	0.8960
.9557	0.9994	0.3712	2.9085	0.9785	0.9236
.00214	1.0003	0.3595	2.9829	0.9880	0.9530
.0914	1.0006	0.3522	3.0333	0.9941	0.9724
.1455	1.0013	0.3476	3.0660	0.9980	0.9868
.2077	1.0014	0.3445	3.0847	1.0002	0.9945
.2759	1.0015	0.3439	3.0920	1.0010	0.9975
.3404	1.0017	0.3436	3.0945	1.0313	0.9985
.4108	1.0019	0.3435	3.0958	1.0015	0.9991
.4734	1.0019	0.3436	3.0946	1.0313	0.9986
.6051	1.0019	0.3436	3.0952	1.0014	0.9988
.7337	1.0019	0.3435	3.0959	1.0015	0.9991
.8645	1.0022	0.3437	3.0952	1.0014	0.9988
.9402	1.0022	0.3439	3.0940	1.0012	0.9983

DEL = 0.2306

DELL = 0.558

DEL* = 0.1321 CM

THETA = 0.02306

M = 5.728

UE = 634.5 M/SEC

RHOE = 0.2301

KG/M*3

RUN = 4082

Y/DEL	TT/TC	T/T0	M	U/UE	RHO/RHOE
0.0300	0.9211	0.9211	0.0000	0.0000	0.3718
0.0192	0.9532	0.8493	0.7822	0.3975	0.4032
0.0326	0.9587	0.8138	0.9436	0.4694	0.4207
0.0427	0.9628	0.7961	1.0599	0.5182	0.4356
0.0646	0.9680	0.7417	1.2352	0.5866	0.4617
0.0731	0.9698	0.7270	1.2920	0.6075	0.4710
0.0900	0.9712	0.7115	1.3511	0.6285	0.4812
0.0194	0.9745	0.6792	1.4744	0.6701	0.5041
0.0148	0.9769	0.6551	1.5674	0.6996	0.5228
0.0801	0.9787	0.6361	1.6410	0.7217	0.5384
0.0208	0.9799	0.6202	1.7026	0.7395	0.5520
0.0244	0.9814	0.6041	1.7673	0.7575	0.5665
0.02677	0.9824	0.5915	1.8163	0.7706	0.5766
0.02967	0.9831	0.5818	1.8572	0.7812	0.5886
0.03207	0.9841	0.5710	1.9019	0.7925	0.5957
0.03580	0.9850	0.5575	1.9564	0.8059	0.6137
0.03830	0.9858	0.5476	2.0003	0.8163	0.6252
0.05116	0.9867	0.5362	2.0492	0.8270	0.6395
0.0435	0.9876	0.5235	2.1056	0.8401	0.6541
0.04746	0.9886	0.5125	2.1551	0.8508	0.6682
0.05035	0.9894	0.5021	2.2028	0.8607	0.6841
0.05342	0.9903	0.4896	2.2607	0.8724	0.6992
0.0691	0.9921	0.4617	2.3967	0.8981	0.7417
0.06403	0.9930	0.4504	2.4543	0.9083	0.7602
0.08005	0.9939	0.4341	2.5395	0.9227	0.7888
0.07466	0.9945	0.4126	2.6577	0.9614	0.8255
0.0763	0.9965	0.3955	2.7539	0.9556	0.8648
0.08127	0.9974	0.3810	2.8443	0.9682	0.8967
0.09338	0.9981	0.3694	2.9172	0.9778	0.9265
0.10022	0.9985	0.3602	2.9757	0.9852	0.9500
0.10650	0.9993	0.3516	3.0346	0.9924	0.9737
0.11262	0.9997	0.3480	3.0599	0.9954	0.9841
0.11911	0.9997	0.3435	3.0508	0.9990	0.9965
0.12595	0.9998	0.3425	3.0975	0.9998	1.0556
0.13174	0.9998	0.3423	3.0991	0.9999	1.0002
0.13827	0.9997	0.3421	3.1000	1.0001	1.0007
0.14541	0.9996	0.3424	3.0582	0.9998	0.9959
0.15172	0.9998	0.3424	3.0584	0.9999	1.0000

DEL# = .1376 CP
VE = 635.1 M/
RUN = 2025

MACH = 3.00	PO = 298.7 KPA	TO = 304.6 K
ALPHA = 2.10	Z/O = 4.44	PHI = 240.
RPM = 2000.	PW = 6.76 KPA	REL = 7703423.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5208	0.9208	0.0000	0.0000	0.3684
0.0284	0.9598	0.8031	0.9877	0.4877	0.4229
0.0365	0.9631	0.7822	1.0751	0.5240	0.4342
0.0566	0.9682	0.7392	1.2446	0.5896	0.4555
0.0691	0.9711	0.7147	1.3392	0.6238	0.4722
0.1060	0.9756	0.6712	1.5057	0.6797	0.5052
0.1390	0.9778	0.6443	1.6086	0.7115	0.5271
0.1845	0.9808	0.6127	1.7332	0.7475	0.5545
0.2465	0.9829	0.5892	1.8273	0.7728	0.5765
0.2972	0.9844	0.5704	1.9051	0.7927	0.5957
0.3477	0.9860	0.5503	1.9898	0.8132	0.6175
0.4048	0.9877	0.5285	2.0826	0.8344	0.6424
0.4537	0.9892	0.5102	2.1660	0.8524	0.6659
0.5049	0.9904	0.4915	2.2510	0.8698	0.6907
0.5543	0.9920	0.4737	2.3389	0.8867	0.7175
0.6147	0.9932	0.4573	2.4203	0.9016	0.7432
0.6690	0.9943	0.4415	2.5019	0.9157	0.7698
0.7235	0.9954	0.4247	2.5920	0.9304	0.8003
0.7743	0.9962	0.4120	2.6828	0.9414	0.8250
0.8369	0.9975	0.3956	2.7783	0.9555	0.8554
0.9152	0.9985	0.3765	2.8725	0.9712	0.9022
0.9848	0.9998	0.3625	2.9649	0.9831	0.9380
1.0590	1.0004	0.3521	3.0339	0.9915	0.9656
1.1333	1.0006	0.3459	3.0765	0.9965	0.9829
1.2011	1.0010	0.3433	3.0547	0.9986	0.9904
1.2845	1.0010	0.3422	3.1027	0.9995	0.9937
1.3552	1.0010	0.3420	3.1043	0.9997	0.9943
1.5072	1.0012	0.3415	3.1050	0.9998	0.9946
1.7430	1.0014	0.3418	3.1063	1.0000	0.9951
2.1242	1.0010	0.3417	3.1063	1.0000	0.9952
2.5136	1.0013	0.3415	3.1083	1.0002	0.9960
2.9030	1.0014	0.3414	3.1092	1.0003	0.9963
3.2678	1.0014	0.3412	3.1106	1.0004	0.9969
3.6587	1.0015	0.3410	3.1118	1.0006	0.9974
4.0211	1.0016	0.3415	3.1086	1.0002	0.9961

DEL = 0.2854	DELL = 0.474	DEL* = 0.1155 CM
THETA = 0.0260	M = 5.609	UE = 633.8 M/SEC
RHOE = 0.2284	KG/M**3	RUN = 2036

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9207	0.9207	0.0000	0.0000	0.3684
0.0635	0.5691	0.7345	1.2623	0.5959	0.4617
0.0896	0.9733	0.6943	1.4177	0.6506	0.4887
0.1238	0.5763	0.6636	1.5349	0.6886	0.5113
0.1440	0.5775	0.6491	1.5515	0.7061	0.5225
0.1804	0.5802	0.6266	1.6789	0.7319	0.5416
0.2210	0.5816	0.6065	1.7568	0.7537	0.5552
0.2496	0.5831	0.5933	1.8126	0.7687	0.5723
0.3035	0.5852	0.5718	1.9014	0.7915	0.5940
0.3542	0.5860	0.5518	1.9835	0.8114	0.6150
0.4045	0.5880	0.5317	2.0714	0.8316	0.6385
0.4644	0.5897	0.5084	2.1757	0.8541	0.6678
0.5146	0.5913	0.4886	2.2684	0.8729	0.6951
0.5651	0.5925	0.4715	2.3488	0.8883	0.7157
0.6152	0.5937	0.4547	2.4344	0.9038	0.7468
0.6647	0.5947	0.4371	2.5257	0.9193	0.7768
0.7223	0.5960	0.4206	2.6156	0.9338	0.8074
0.7831	0.5971	0.4061	2.6974	0.9463	0.8363
0.8357	0.5978	0.3925	2.7770	0.9578	0.8652
0.8773	0.5986	0.3812	2.8456	0.9672	0.8908
0.9636	0.5997	0.3660	2.9420	0.9798	0.9278
1.0235	1.0003	0.3557	3.0101	0.9883	0.9548
1.1058	1.0010	0.3473	3.0682	0.9952	0.9782
1.1743	1.0011	0.3436	3.0932	0.9981	0.9885
1.2435	1.0015	0.3423	3.1129	0.9992	0.9925
1.3245	1.0014	0.3417	3.1070	0.9997	0.9942
1.4665	1.0014	0.3415	3.1081	0.9998	0.9946
1.6951	1.0016	0.3414	3.1094	0.9999	0.9952
2.0837	1.0016	0.3414	3.1098	1.0000	0.9952
2.4575	1.0018	0.3411	3.1122	1.0003	0.9963
2.8332	1.0016	0.3410	3.1123	1.0003	0.9964
3.2053	1.0014	0.3408	3.1133	1.0004	0.9968
3.5770	1.0016	0.3408	3.1136	1.0004	0.9965
3.9231	1.0016	0.3411	3.1113	1.0002	0.9960

DEL = 0.22919	DELL = 0.505	DEL* = 0.1188 CM
THETA = 0.0257	M = 5.776	UE = 634.6 M/SEC
RHOE = 0.2281	KG/M**3	RUN = 2037

[illegible]

MACH = 3.00	298.6 KPA	TO = 312.1 K			
ALPHA = 2.10	4.44	PHI = 330.			
RPW = 20000	7.42 KPA	REL = 7417043.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9218	0.9218	0.0000	0.0000	0.3781
0.0366	0.9590	0.9590	0.5271	0.5829	0.4666
0.0518	0.9639	0.9639	0.7822	0.6631	0.5065
0.0670	0.9696	0.9696	0.7341	0.6912	0.5237
0.0874	0.9724	0.9724	0.7072	0.7100	0.5364
0.1180	0.9768	0.9768	0.6645	0.7287	0.5500
0.1622	0.9802	0.9802	0.6242	0.7440	0.5620
0.2458	0.9835	0.9835	0.5805	0.7738	0.5877
0.2458	0.9835	0.9835	0.5805	0.7931	0.6062
0.2878	0.9852	0.9852	0.5666	0.8131	0.6276
0.3247	0.9862	0.9862	0.5534	0.8245	0.6406
0.3828	0.9879	0.9879	0.5340	0.8386	0.6577
0.4226	0.9887	0.9887	0.5204	0.8541	0.6781
0.4675	0.9899	0.9899	0.5063	0.8653	0.6935
0.5080	0.9909	0.9909	0.4920	0.8847	0.7236
0.5590	0.9915	0.9915	0.4775	0.9085	0.7648
0.5922	0.9925	0.9925	0.4642	0.9242	0.7954
0.6392	0.9941	0.9941	0.4496	0.9400	0.8255
0.6913	0.9950	0.9950	0.4337	0.9535	0.8616
0.7422	0.9957	0.9957	0.4191	0.9680	0.8954
0.8772	0.9975	0.9975	0.3851	0.9796	0.9325
0.8772	0.9975	0.9975	0.3851	0.9862	0.9531
0.9407	0.9989	0.9989	0.3762	0.9929	0.9749
0.9935	0.9991	0.9991	0.3685	0.9950	0.9818
1.035	1.0000	1.0000	0.3573	0.9981	0.9825
1.1830	1.0003	1.0003	0.3520	0.9990	0.9925
1.2967	1.0005	1.0005	0.3504	0.9991	0.9955
1.3908	1.0005	1.0005	0.3498	0.9993	0.9966
1.4908	1.0005	1.0005	0.3497	0.9993	0.9966
1.6772	1.0003	1.0003	0.3496	0.9997	0.9975
1.8410	1.0005	1.0005	0.3496	0.9997	0.9975
2.0662	1.0003	1.0003	0.3495	0.9998	0.9981
2.2435	1.0005	1.0005	0.3497	0.9997	0.9980
2.7592	1.0003	1.0003	0.3494	0.9999	0.9988
3.2414	1.0003	1.0003	0.3493	1.0000	0.9989
3.7349	1.0005	1.0005	0.3491	1.0000	0.9999
4.2064	1.0005	1.0005	0.3490	1.0000	0.9999
4.6985	1.0004	1.0004	0.3489	1.0002	0.9998
5.1288	1.0007	1.0007	0.3485	1.0006	0.9998

DEL = 0.2231	DELL = .0872 CM	DEL* = .0933 CM
THETA = .01586	M = 5.496	UE = 638.0 M/SEC
RHOE = 0.2372	KG/M**3	RUN = 2015

MACH = 3.00	298.6 KPA	TO = 312.2 K			
ALPHA = 2.10	4.44	PHI = 330.			
RPW = 20000	7.42 KPA	REL = 7406523.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9218	0.9218	0.0000	0.0000	0.3781
0.0815	0.9581	0.9581	0.5216	0.5829	0.4666
0.1100	0.9742	0.9742	0.6880	0.6631	0.5065
0.1315	0.9780	0.9780	0.6652	0.6912	0.5237
0.1516	0.9794	0.9794	0.6497	0.7100	0.5364
0.1717	0.9806	0.9806	0.6337	0.7287	0.5500
0.1944	0.9828	0.9828	0.6201	0.7440	0.5620
0.2348	0.9843	0.9843	0.5930	0.7738	0.5877
0.2855	0.9860	0.9860	0.5748	0.7931	0.6062
0.3262	0.9869	0.9869	0.5554	0.8131	0.6276
0.3671	0.9880	0.9880	0.5442	0.8245	0.6406
0.4081	0.9890	0.9890	0.5300	0.8386	0.6577
0.4492	0.9890	0.9890	0.5135	0.8541	0.6781
0.4905	0.9890	0.9890	0.5023	0.8653	0.6935
0.5327	0.9893	0.9893	0.4817	0.8847	0.7236
0.5742	0.9893	0.9893	0.4558	0.9085	0.7648
0.6158	0.9893	0.9893	0.4382	0.9242	0.7954
0.6574	0.9893	0.9893	0.4201	0.9400	0.8255
0.6990	0.9893	0.9893	0.4046	0.9535	0.8616
0.7406	0.9893	0.9893	0.3876	0.9680	0.8954
0.7822	0.9893	0.9893	0.3736	0.9796	0.9325
0.8238	0.9893	0.9893	0.3657	0.9862	0.9531
0.8654	0.9893	0.9893	0.3575	0.9929	0.9749
0.9070	0.9893	0.9893	0.3550	0.9950	0.9818
0.9486	0.9893	0.9893	0.3512	0.9981	0.9825
0.9902	0.9893	0.9893	0.3502	0.9990	0.9925
1.0318	0.9893	0.9893	0.3500	0.9991	0.9955
1.0734	0.9893	0.9893	0.3498	0.9993	0.9966
1.1150	0.9893	0.9893	0.3498	0.9993	0.9966
1.1566	0.9893	0.9893	0.3496	0.9997	0.9975
1.1982	0.9893	0.9893	0.3493	0.9997	0.9975
1.2398	0.9893	0.9893	0.3493	0.9998	0.9981
1.2814	0.9893	0.9893	0.3492	0.9997	0.9980
1.3230	0.9893	0.9893	0.3490	0.9999	0.9988
1.3646	0.9893	0.9893	0.3490	1.0000	0.9989
1.4062	0.9893	0.9893	0.3490	1.0000	0.9999
1.4478	0.9893	0.9893	0.3487	1.0002	0.9998

DEL = 0.2331	DELL = .0872 CM	DEL* = .0933 CM
THETA = .01639	M = 5.494	UE = 638.0 M/SEC
RHOE = 0.2372	KG/M**3	RUN = 2020

MACH = 3.00 PO = 297.8 KPA TO = 309.3 K DEL = 0.1791 DEL** = .0665 CM
 ALPHA = 4.20 Z/D = 4.44 PHI = 0. THETA = .01259 UE = 630.5 M/SEC
 RPM = 0. PW = 8.07 KPA REL = 7463871. RHO = 0.2515 KG/M**2 RUN = 2072

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5232	0.9232	0.0000	0.0000	0.3904
0.0397	0.9655	0.7832	1.0788	0.5338	0.4604
0.0619	0.5668	0.7640	1.1521	0.5633	0.4715
0.0842	0.5697	0.7392	1.2487	0.6005	0.4874
0.1098	0.9729	0.7113	1.3560	0.6396	0.5066
0.1322	0.5770	0.6802	1.4772	0.6811	0.5303
0.1581	0.9787	0.6538	1.5761	0.7127	0.5513
0.1744	0.9802	0.6348	1.6496	0.7350	0.5678
0.2071	0.9827	0.6077	1.7567	0.7658	0.5932
0.2300	0.9840	0.5917	1.8210	0.7833	0.6092
0.2562	0.9853	0.5731	1.8567	0.8030	0.6289
0.2990	0.9865	0.5525	1.9827	0.8242	0.6523
0.3253	0.9881	0.5396	2.0384	0.8374	0.6680
0.3649	0.9893	0.5282	2.0894	0.8490	0.6827
0.3980	0.9897	0.5151	2.1463	0.8615	0.6956
0.4411	0.9908	0.5055	2.1907	0.8710	0.7122
0.4810	0.9910	0.4943	2.2414	0.8814	0.7289
0.5110	0.9914	0.4864	2.2786	0.8899	0.7407
0.5545	0.9927	0.4754	2.3324	0.8994	0.7582
0.6245	0.9940	0.4572	2.4230	0.9162	0.7885
0.6245	0.9936	0.4570	2.4230	0.9162	0.7885
0.6722	0.9946	0.4393	2.5140	0.9321	0.8201
0.7463	0.9965	0.4271	2.5817	0.9433	0.8444
0.8210	0.9966	0.4118	2.6647	0.9564	0.8751
0.8618	0.9972	0.4023	2.7189	0.9646	0.8956
0.9542	0.9982	0.3853	2.8215	0.9793	0.9356
1.0401	0.9997	0.3734	2.8960	0.9894	0.9657
1.1377	1.0001	0.3650	2.9496	0.9964	0.9878
1.2643	1.0001	0.3615	2.9694	0.9990	0.9961
1.3973	1.0002	0.3607	2.9762	0.9998	0.9989
1.5186	1.0002	0.3608	2.9768	0.9999	0.9999
1.6258	1.0000	0.3606	2.9776	1.0000	0.9995
1.8661	0.9998	0.3603	2.9790	1.0002	1.0000
2.2195	0.9997	0.3601	2.9798	1.0001	1.0004
2.8300	1.0004	0.3603	2.9801	1.0003	1.0005
3.4445	0.9998	0.3598	2.9821	1.0005	1.0014
4.3685	1.0001	0.3595	2.9824	1.0006	1.0015

DEL = 0.1791 DELU = .0287 DEL** = .0665 CM
 THETA = .01259 H = 5.283 UE = 630.5 M/SEC
 RHO = 0.2515 KG/M**2 RUN = 2072

MACH = 3.00 PO = 297.9 KPA TO = 309.4 K DEL = 0.1826 DELU = .0320 DEL** = .0650 CM
 ALPHA = 4.20 Z/D = 4.44 PHI = 0. THETA = .01215 H = 5.682 UE = 630.5 M/SEC
 RPM = 20000. PW = 8.07 KPA REL = 7465880. RHO = 0.2516 KG/M**2 RUN = 2073

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5232	0.9232	0.0000	0.0000	0.3901
0.1391	0.9768	0.6788	1.4816	0.6826	0.5309
0.1515	0.5772	0.6683	1.5202	0.6951	0.5385
0.1775	0.5804	0.6368	1.6424	0.7330	0.5657
0.2030	0.9815	0.6150	1.7271	0.7575	0.5856
0.2285	0.9839	0.5952	1.8070	0.7796	0.6052
0.2578	0.9854	0.5744	1.8913	0.8017	0.6270
0.2804	0.9867	0.5605	1.9483	0.8160	0.6424
0.3127	0.9878	0.5482	2.0022	0.8289	0.6572
0.3580	0.9892	0.5272	2.0934	0.8499	0.6834
0.4230	0.9902	0.5105	2.1658	0.8658	0.7050
0.4715	0.9913	0.4988	2.2220	0.8775	0.7223
0.5243	0.9922	0.4856	2.2840	0.8900	0.7420
0.5735	0.9927	0.4722	2.3479	0.9024	0.7627
0.6361	0.9943	0.4549	2.4350	0.9184	0.7920
0.6890	0.9951	0.4402	2.5103	0.9315	0.8182
0.7355	0.9956	0.4293	2.5683	0.9412	0.8389
0.8054	0.9966	0.4142	2.6514	0.9544	0.8654
0.8321	0.9975	0.4068	2.6944	0.9610	0.8856
0.9058	0.9980	0.3924	2.7782	0.9733	0.9175
1.0305	0.9992	0.3748	2.8865	0.9883	0.9611
1.1356	1.0000	0.3663	2.9414	0.9955	0.9836
1.2556	1.0003	0.3622	2.9677	0.9988	0.9946
1.3534	1.0001	0.3611	2.9745	0.9997	0.9974
1.4896	1.0003	0.3605	2.9764	0.9999	0.9983
1.5880	1.0000	0.3607	2.9770	1.0000	0.9985
1.8307	1.0000	0.3606	2.9779	1.0001	0.9988
2.2810	1.0002	0.3604	2.9796	1.0003	0.9996
2.7764	1.0002	0.3602	2.9807	1.0005	1.0000
3.3825	1.0004	0.3602	2.9812	1.0005	1.0003
3.9917	1.0007	0.3603	2.9815	1.0006	1.0004
4.6006	1.0009	0.3611	2.9762	0.9999	0.9982
5.1854	1.0003	0.3614	2.9728	0.9994	0.9968
5.7786	1.0005	0.3614	2.9737	0.9996	0.9971
6.3623	1.0005	0.3606	2.9790	1.0002	0.9953

DEL = 0.1826 DELU = .0320 DEL** = .0650 CM
 THETA = .01215 H = 5.682 UE = 630.5 M/SEC
 RHO = 0.2516 KG/M**2 RUN = 2073

MACH = 3.00 ALPHA = 4.20 RPM = 20000				PO = 298.1 KPA Z/D = 4.44 PW = 7.79 KPA				TO = 308.2 K PHI = 30. REL = 7510406			
Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9228	0.9228	0.0000	0.0000	0.3865	0.0000	0.9228	0.9228	0.0000	0.0000	0.3865
0.0425	0.9662	0.7712	1.1245	0.5505	0.4626	0.1264	0.9787	0.6486	1.5951	0.7161	0.5455
0.0722	0.9720	0.7201	1.3224	0.6255	0.4954	0.1439	0.9798	0.6334	1.6337	0.7337	0.5630
0.0957	0.9739	0.7006	1.3566	0.6516	0.5091	0.1760	0.9818	0.6106	1.7436	0.7595	0.5841
0.1252	0.9785	0.6542	1.5743	0.7098	0.5453	0.1936	0.9832	0.5958	1.8032	0.7758	0.5927
0.1341	0.9802	0.6330	1.6362	0.7345	0.5625	0.2230	0.9845	0.5798	1.8682	0.7929	0.6152
0.1795	0.9824	0.5074	1.7571	0.7533	0.5872	0.2643	0.9859	0.5590	1.9544	0.8145	0.6350
0.2291	0.9845	0.5798	1.8683	0.7930	0.6152	0.3155	0.9870	0.5449	2.0141	0.8288	0.6544
0.2681	0.9863	0.5593	1.9539	0.8145	0.6378	0.3547	0.9881	0.5303	2.0775	0.8434	0.6724
0.3195	0.9873	0.5433	2.0215	0.8307	0.6565	0.4152	0.9893	0.5143	2.1488	0.8591	0.6923
0.3685	0.9881	0.5350	2.0581	0.8391	0.6668	0.4669	0.9905	0.4976	2.2253	0.8751	0.7166
0.4211	0.9894	0.5178	2.1339	0.8560	0.6885	0.5188	0.9915	0.4825	2.2948	0.8890	0.7384
0.4673	0.9906	0.5021	2.2055	0.8711	0.7104	0.5735	0.9926	0.4683	2.3658	0.9025	0.7615
0.5195	0.9918	0.4869	2.2769	0.8956	0.7327	0.6262	0.9935	0.4541	2.4369	0.9155	0.7852
0.5820	0.9928	0.4707	2.3541	0.9006	0.7578	0.6694	0.9942	0.4436	2.5111	0.9250	0.8038
0.6506	0.9944	0.4471	2.4738	0.9221	0.7978	0.7499	0.9957	0.4215	2.6374	0.9442	0.8452
0.7384	0.9958	0.4223	2.6357	0.9440	0.8445	0.8246	0.9968	0.4052	2.7015	0.9587	0.8800
0.8141	0.9969	0.4060	2.6974	0.9582	0.8754	0.9091	0.9978	0.3885	2.8006	0.9731	0.9180
0.8921	0.9977	0.3931	2.7733	0.9693	0.9072	0.9720	0.9983	0.3775	2.8777	0.9823	0.9445
0.9857	0.9986	0.3760	2.8776	0.9837	0.9485	1.0795	0.9990	0.3668	2.9355	0.9912	0.9720
1.1044	0.9994	0.3655	2.9449	0.9925	0.9758	1.1878	0.9995	0.3614	2.9715	0.9958	0.9868
1.2078	0.9997	0.3608	2.9759	0.9965	0.9866	1.3032	0.9997	0.3591	2.9860	0.9976	0.9925
1.3285	1.0000	0.3589	2.9889	0.9981	0.9940	1.4084	0.9997	0.3582	2.9918	0.9981	0.9944
1.4282	0.9999	0.3584	2.9915	0.9984	0.9951	1.5201	0.9995	0.3582	2.9918	0.9983	0.9953
1.5415	0.9999	0.3582	2.9927	0.9986	0.9956	1.6221	0.9997	0.3583	2.9921	0.9984	0.9954
1.6450	0.9997	0.3583	2.9918	0.9984	0.9952	2.1857	0.9996	0.3574	2.9973	0.9990	0.9976
1.8762	0.9997	0.3575	2.9544	0.9988	0.9963	2.7316	0.9996	0.3568	3.0013	0.9995	0.9995
2.2132	0.9999	0.3576	2.9970	0.9991	0.9974	3.3145	0.9996	0.3565	3.0034	0.9997	1.0001
2.7803	0.9998	0.3571	2.9596	0.9994	0.9985	3.8764	0.9997	0.3562	3.0054	1.0000	1.0010
3.3652	0.9996	0.3568	3.0028	0.9998	0.9998	4.4382	0.9997	0.3555	3.0074	1.0002	1.0018
3.9310	1.0000	0.3564	3.0051	1.0001	1.0008	5.0018	0.9994	0.3559	3.0094	0.9989	0.9973
4.4975	1.0000	0.3562	3.0065	1.0003	1.0014	5.5516	0.9994	0.3576	2.9959	0.9988	0.9970
5.0679	0.9999	0.3577	2.9964	0.9990	0.9992	6.0877	0.9997	0.3562	3.0054	1.0000	1.0010
5.6331	1.0000	0.3565	3.0016	0.9997	0.9993						
6.1576	0.9996	0.3563	3.0048	1.0000	1.0007						

MACH = 3.00 ALPHA = 4.20 RPM = 20000				PO = 298.1 KPA Z/D = 4.44 PW = 7.79 KPA				TO = 308.2 K PHI = 30. REL = 7510406			
Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9228	0.9228	0.0000	0.0000	0.3865	0.0000	0.9228	0.9228	0.0000	0.0000	0.3865
0.0425	0.9662	0.7712	1.1245	0.5505	0.4626	0.1264	0.9787	0.6486	1.5951	0.7161	0.5455
0.0722	0.9720	0.7201	1.3224	0.6255	0.4954	0.1439	0.9798	0.6334	1.6337	0.7337	0.5630
0.0957	0.9739	0.7006	1.3566	0.6516	0.5091	0.1760	0.9818	0.6106	1.7436	0.7595	0.5841
0.1252	0.9785	0.6542	1.5743	0.7098	0.5453	0.1936	0.9832	0.5958	1.8032	0.7758	0.5927
0.1341	0.9802	0.6330	1.6362	0.7345	0.5625	0.2230	0.9845	0.5798	1.8682	0.7929	0.6152
0.1795	0.9824	0.5074	1.7571	0.7533	0.5872	0.2643	0.9859	0.5590	1.9544	0.8145	0.6350
0.2291	0.9845	0.5798	1.8683	0.7930	0.6152	0.3155	0.9870	0.5449	2.0141	0.8288	0.6544
0.2681	0.9863	0.5593	1.9539	0.8145	0.6378	0.3547	0.9881	0.5303	2.0775	0.8434	0.6724
0.3195	0.9873	0.5433	2.0215	0.8307	0.6565	0.4152	0.9893	0.5143	2.1488	0.8591	0.6923
0.3685	0.9881	0.5350	2.0581	0.8391	0.6668	0.4669	0.9905	0.4976	2.2253	0.8751	0.7166
0.4211	0.9894	0.5178	2.1339	0.8560	0.6885	0.5188	0.9915	0.4825	2.2948	0.8890	0.7384
0.4673	0.9906	0.5021	2.2055	0.8711	0.7104	0.5735	0.9926	0.4683	2.3658	0.9025	0.7615
0.5195	0.9918	0.4869	2.2769	0.8956	0.7327	0.6262	0.9935	0.4541	2.4369	0.9155	0.7852
0.5820	0.9928	0.4707	2.3541	0.9006	0.7578	0.6694	0.9942	0.4436	2.5111	0.9250	0.8038
0.6506	0.9944	0.4471	2.4738	0.9221	0.7978	0.7499	0.9957	0.4215	2.6374	0.9442	0.8452
0.7384	0.9958	0.4223	2.6357	0.9440	0.8445	0.8246	0.9968	0.4052	2.7015	0.9587	0.8800
0.8141	0.9969	0.4060	2.6974	0.9582	0.8754	0.9091	0.9978	0.3885	2.8006	0.9731	0.9180
0.8921	0.9977	0.3931	2.7733	0.9693	0.9072	0.9720	0.9983	0.3775	2.8777	0.9823	0.9445
0.9857	0.9986	0.3760	2.8776	0.9837	0.9485	1.0795	0.9990	0.3668	2.9355	0.9912	0.9720
1.1044	0.9994	0.3655	2.9449	0.9925	0.9758	1.1878	0.9995	0.3614	2.9715	0.9958	0.9868
1.2078	0.9997	0.3608	2.9759	0.9965	0.9866	1.3032	0.9997	0.3591	2.9860	0.9976	0.9925
1.3285	1.0000	0.3589	2.9889	0.9981	0.9940	1.4084	0.9997	0.3582	2.9918	0.9981	0.9944
1.4282	0.9999	0.3584	2.9915	0.9984	0.9951	1.5201	0.9995	0.3582	2.9918	0.9983	0.9953
1.5415	0.9999	0.3582	2.9927	0.9986	0.9956	1.6221	0.9997	0.3583	2.9921	0.9984	0.9954
1.6450	0.9997	0.3583	2.9918	0.9984	0.9952	2.1857	0.9996	0.3574	2.9973	0.9990	0.9976
1.8762	0.9997	0.3575	2.9544	0.9988	0.9963	2.7316	0.9996	0.3568	3.0013	0.9995	0.9995
2.2132	0.9999	0.3576	2.9970	0.9991	0.9974	3.3145	0.9996	0.3565	3.0034	0.9997	1.0001
2.7803	0.9998	0.3571	2.9596	0.9994	0.9985	3.8764	0.9997	0.3562	3.0054	1.0000	1.0010
3.3652	0.9996	0.3568	3.0028	0.9998	0.9998	4.4382	0.9997	0.3555	3.0074	1.0002	1.0018
3.9310	1.0000	0.3564	3.0051	1.0001	1.0008	5.0018	0.9994	0.3559	3.0094	0.9989	0.9973
4.4975	1.0000	0.3562	3.0065	1.0003	1.0014	5.5516	0.9994	0.3576	2.9959	0.9988	0.9970
5.0679	0.9999	0.3577	2.9964	0.9990	0.9992	6.0877	0.9997	0.3562	3.0054	1.0000	1.0010
5.6331	1.0000	0.3565	3.0016	0.9997	0.9993						
6.1576	0.9996	0.3563	3.0048	1.0000	1.0007						

MACH = 3.00 ALPHA = 4.20 RPM = 20000				PO = 298.1 KPA Z/D = 4.44 PW = 7.79 KPA				TO = 308.2 K PHI = 30. REL = 7510406			
Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9228	0.9228	0.0000	0.0000	0.3865	0.0000	0.9228	0.9228	0.0000	0.0000	0.3865
0.0425	0.9662	0.7712	1.1245	0.5505	0.4626	0.1264	0.9787	0.6486	1.5951	0.7161	0.5455
0.0722	0.9720	0.7201	1.3224	0.6255	0.4954	0.1439	0.9798	0.6334	1.6337	0.7337	0.5630
0.0957	0.9739	0.7006	1.3566	0.6516	0.5091	0.1760	0.9818	0.6106	1.7436	0.7595	0.5841
0.1252	0.9785	0.6542	1.5743	0.7098	0.5453	0.1936	0.9832	0.5958	1.8032	0.7758	0.5927
0.1341	0.9802	0.6330	1.6362	0.7345	0.5625	0.2230	0.9845	0.5798	1.8682	0.7929	0.6152
0.1795	0.9824	0.5074	1.7571	0.7533	0.5872	0.2643	0.9859	0.5590	1.9544	0.8145	0.6350
0.2291	0.9845	0.5798	1.8683	0.7930	0.6152	0.3155	0.9870	0.5449	2.0141	0.8288	0.6544
0.2681	0.9863	0.5593	1.9539	0.8145	0.6378	0.3547	0.9881	0.5303	2.0775	0.8434	0.6724
0.3195	0.9873	0.5433	2.0215	0.8307	0.6565	0.4152	0.9893	0.5143	2.1488	0.8591	0.6923
0.3685	0.9881	0.5350	2.0581	0.8391	0.6668	0.4669	0.9905	0.4976	2.2253	0.8751	0.7166
0.4211	0.9894	0.5178	2.1339	0.8560	0.6885	0.5188	0.9915	0.4825	2.2948	0.8890	0.7384
0.4673	0.9906	0.5021	2.2055	0.8711	0.7104	0.5735	0.9926	0.4683	2.3658	0.9025	0.7615
0.5195	0.9918	0.4869	2.2769	0.8956	0.7327	0.6262	0.9935	0.4541	2.4369	0.9155	0.7852
0.5820	0.9928	0.4707	2.3541	0.9006	0.7578	0.6694	0.9942	0.4436	2.5111	0.9250	0.8038
0.6506	0.9944	0.4471	2.4738	0.9221	0.7978	0.7499	0.9957	0.4215	2.6374		

MACH = 3.00				PO = 298.2 KPA				TO = 309.1 K				MACH = 3.00				PO = 256.1 KPA				TO = 308.8 K			
ALPHA = 4.20				Z/C = 4.44				PHI = 120.				ALPHA = 4.20				Z/C = 4.44				PHI = 120.			
RPM = 0.				PW = 6.33 KPA				REL = 7517750.				RPM = 2000.				PW = 6.34 KPA				REL = 7555526.			
DEL	THETA	RHOE	U	DEL	THETA	RHOE	U	DEL	THETA	RHOE	U	DEL	THETA	RHOE	U	DEL	THETA	RHOE	U	DEL	THETA	RHOE	U
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447	0.3556	0.120	0.1447	0.1447
0.3554	0.2364	0.2238	0.3556	0.120	0.1447	0.1																	

MACH = 3.00 PO = 298.5 KPA TO = 308.3 ° DEL = 0.406E DELU = 0.79C CP
 ALPHA = 4.2C Z/O = 4.44 PHI = 15C U = 6.029 U = 625.3 M/SEC
 RPM = 0 PW = 6.64 KPA REL = 745012. RUN = 2014

Y/DEL	T/T/O	T/T/O	M	U/UE	RAC/RPOE	Y/DEL	T/T/O	T/T/O	M	U/UE	RAC/RPOE
0.0000	0.9203	0.9203	0.0000	0.0000	0.3645	0.0000	0.9203	0.9203	0.0000	0.0000	0.3645
0.0085	0.9518	0.8562	0.7472	0.3830	0.3923	0.0085	0.9518	0.8562	0.7472	0.3830	0.3923
0.0287	0.9565	0.9341	0.8563	0.4331	0.4025	0.0287	0.9565	0.9341	0.8563	0.4331	0.4025
0.0610	0.9678	0.7552	1.1664	0.5708	0.4452	0.0610	0.9678	0.7552	1.1664	0.5708	0.4452
0.1114	0.9737	0.7048	1.3811	0.6419	0.4772	0.1114	0.9737	0.7048	1.3811	0.6419	0.4772
0.1636	0.9771	0.5728	1.5039	0.6829	0.5000	0.1636	0.9771	0.5728	1.5039	0.6829	0.5000
0.2133	0.9799	0.5428	1.6192	0.7186	0.5233	0.2133	0.9799	0.5428	1.6192	0.7186	0.5233
0.2533	0.9825	0.5192	1.7165	0.7469	0.5444	0.2533	0.9825	0.5192	1.7165	0.7469	0.5444
0.3107	0.9845	0.5044	1.8108	0.7727	0.5660	0.3107	0.9845	0.5044	1.8108	0.7727	0.5660
0.3555	0.9866	0.5756	1.8895	0.7931	0.5880	0.3555	0.9866	0.5756	1.8895	0.7931	0.5880
0.4095	0.9884	0.5537	1.9613	0.8137	0.6081	0.4095	0.9884	0.5537	1.9613	0.8137	0.6081
0.4594	0.9901	0.5330	2.0707	0.8364	0.6312	0.4594	0.9901	0.5330	2.0707	0.8364	0.6312
0.5127	0.9922	0.5105	2.1719	0.8584	0.6555	0.5127	0.9922	0.5105	2.1719	0.8584	0.6555
0.5635	0.9942	0.4900	2.2728	0.8789	0.6791	0.5635	0.9942	0.4900	2.2728	0.8789	0.6791
0.6120	0.9957	0.4700	2.3647	0.8965	0.7042	0.6120	0.9957	0.4700	2.3647	0.8965	0.7042
0.6654	0.9972	0.4515	2.4584	0.9133	0.7268	0.6654	0.9972	0.4515	2.4584	0.9133	0.7268
0.7120	0.9986	0.4356	2.5420	0.9275	0.7468	0.7120	0.9986	0.4356	2.5420	0.9275	0.7468
0.7710	0.9994	0.4195	2.6361	0.9425	0.7652	0.7710	0.9994	0.4195	2.6361	0.9425	0.7652
0.8247	0.9997	0.4012	2.7150	0.9545	0.7835	0.8247	0.9997	0.4012	2.7150	0.9545	0.7835
0.8736	0.9999	0.3929	2.7852	0.9646	0.8022	0.8736	0.9999	0.3929	2.7852	0.9646	0.8022
0.9278	0.9999	0.3814	2.8559	0.9744	0.8205	0.9278	0.9999	0.3814	2.8559	0.9744	0.8205
0.9815	0.9999	0.3716	2.9175	0.9825	0.8385	0.9815	0.9999	0.3716	2.9175	0.9825	0.8385
1.0344	0.9999	0.3632	2.9728	0.9895	0.8563	1.0344	0.9999	0.3632	2.9728	0.9895	0.8563
1.0836	0.9999	0.3561	3.0203	0.9954	0.8740	1.0836	0.9999	0.3561	3.0203	0.9954	0.8740
1.1446	0.9999	0.3500	3.0622	1.0004	0.8915	1.1446	0.9999	0.3500	3.0622	1.0004	0.8915
1.2060	0.9999	0.3452	3.0988	1.0044	0.9079	1.2060	0.9999	0.3452	3.0988	1.0044	0.9079
1.2676	0.9999	0.3438	3.1076	1.0050	0.9242	1.2676	0.9999	0.3438	3.1076	1.0050	0.9242
1.3246	0.9999	0.3428	3.1165	1.0067	0.9375	1.3246	0.9999	0.3428	3.1165	1.0067	0.9375
1.3790	0.9999	0.3430	3.1160	1.0066	0.9477	1.3790	0.9999	0.3430	3.1160	1.0066	0.9477
1.4362	0.9999	0.3433	3.1149	1.0064	0.9573	1.4362	0.9999	0.3433	3.1149	1.0064	0.9573
1.4946	0.9999	0.3434	3.1152	1.0065	0.9674	1.4946	0.9999	0.3434	3.1152	1.0065	0.9674
1.5595	0.9999	0.3437	3.1139	1.0063	0.9765	1.5595	0.9999	0.3437	3.1139	1.0063	0.9765
1.6278	0.9999	0.3445	3.1145	1.0064	0.9852	1.6278	0.9999	0.3445	3.1145	1.0064	0.9852

DEL = 0.406E DELU = 0.79C CP
 THETA = 0.02362 M = 6.029 U = 625.3 M/SEC
 RMSE = 0.2245 KG/MS2 RUN = 2014

MACH = 3.00 PO = 298.5 KPA TO = 308.3 ° DEL = 0.4027 DELU = 0.735
 ALPHA = 4.2C Z/O = 4.44 PHI = 15C U = 595.2 M/SEC
 RPM = 2000 PW = 6.64 KPA REL = 745012. RUN = 2015

Y/DEL	T/T/O	T/T/O	M	U/UE	RAC/RPOE	Y/DEL	T/T/O	T/T/O	M	U/UE	RAC/RPOE
0.0000	0.9204	0.9204	0.0000	0.0000	0.3645	0.0000	0.9204	0.9204	0.0000	0.0000	0.3645
0.0088	0.9627	0.7957	1.0651	0.5204	0.4315	0.0088	0.9627	0.7957	1.0651	0.5204	0.4315
0.0342	0.9668	0.7324	1.1630	0.5670	0.4454	0.0342	0.9668	0.7324	1.1630	0.5670	0.4454
0.0761	0.9696	0.6970	1.2724	0.6005	0.4625	0.0761	0.9696	0.6970	1.2724	0.6005	0.4625
0.1340	0.9733	0.6592	1.4078	0.6482	0.4860	0.1340	0.9733	0.6592	1.4078	0.6482	0.4860
0.2035	0.9772	0.6344	1.5531	0.6953	0.5140	0.2035	0.9772	0.6344	1.5531	0.6953	0.5140
0.2844	0.9820	0.6087	1.7111	0.7532	0.5568	0.2844	0.9820	0.6087	1.7111	0.7532	0.5568
0.3784	0.9839	0.5800	1.8425	0.7775	0.5764	0.3784	0.9839	0.5800	1.8425	0.7775	0.5764
0.4859	0.9859	0.5560	1.9540	0.8007	0.6011	0.4859	0.9859	0.5560	1.9540	0.8007	0.6011
0.6075	0.9875	0.5426	2.0249	0.8223	0.6248	0.6075	0.9875	0.5426	2.0249	0.8223	0.6248
0.7432	0.9895	0.5135	2.1270	0.8450	0.6527	0.7432	0.9895	0.5135	2.1270	0.8450	0.6527
0.8945	0.9924	0.4959	2.2261	0.8637	0.6812	0.8945	0.9924	0.4959	2.2261	0.8637	0.6812
1.0618	0.9942	0.4756	2.3207	0.8861	0.7127	1.0618	0.9942	0.4756	2.3207	0.8861	0.7127
1.2450	0.9953	0.4426	2.4151	0.9016	0.7392	1.2450	0.9953	0.4426	2.4151	0.9016	0.7392
1.4442	0.9966	0.4266	2.5090	0.9162	0.7664	1.4442	0.9966	0.4266	2.5090	0.9162	0.7664
1.6684	0.9977	0.4123	2.6047	0.9303	0.7952	1.6684	0.9977	0.4123	2.6047	0.9303	0.7952
1.9174	0.9987	0.3971	2.6924	0.9427	0.8231	1.9174	0.9987	0.3971	2.6924	0.9427	0.8231
2.1906	0.9996	0.3804	2.7754	0.9557	0.8546	2.1906	0.9996	0.3804	2.7754	0.9557	0.8546
2.4878	0.9999	0.3638	2.8551	0.972	0.8860	2.4878	0.9999	0.3638	2.8551	0.972	0.8860
2.8089	0.9999	0.3558	2.9326	0.9829	0.9232	2.8089	0.9999	0.3558	2.9326	0.9829	0.9232
3.1540	0.9999	0.3455	3.0082	0.9911	0.9576	3.1540	0.9999	0.3455	3.0082	0.9911	0.9576
3.5272	0.9999	0.3404	3.0876	0.9960	0.9744	3.5272	0.9999	0.3404	3.0876	0.9960	0.9744
3.9294	0.9999	0.3423	3.1663	1.0010	0.9920	3.9294	0.9999	0.3423	3.1663	1.0010	0.9920
4.3616	0.9999	0.3421	3.2421	1.0017	0.9944	4.3616	0.9999	0.3421	3.2421	1.0017	0.9944
4.8246	0.9999	0.3411	3.3154	1.0021	0.9958	4.8246	0.9999	0.3411	3.3154	1.0021	0.9958
5.3184	0.9999	0.3409	3.3870	1.0023	0.9965	5.3184	0.9999	0.3409	3.3870	1.0023	0.9965
5.8436	0.9999	0.3406	3.4574	1.0023	0.9968	5.8436	0.9999	0.3406	3.4574	1.0023	0.9968
6.4004	0.9999	0.3403	3.5274	1.0023	0.9966	6.4004	0.9999	0.3403	3.5274	1.0023	0.9966
6.9894	0.9999	0.3402	3.5965	1.0022	0.9963	6.9894	0.9999	0.3402	3.5965	1.0022	0.9963
7.6104	0.9999	0.3401	3.6645	1.0022	0.9957	7.6104	0.9999	0.3401	3.6645	1.0022	0.9957

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MACH = 3.00 PO = 297.5 KPA TO = 309.3 K				MACH = 3.00 PO = 298.0 KPA TO = 309.4 K							
ALPHA = 4.20 Z/D = 4.44 PHI = 180.				ALPHA = 4.20 Z/D = 4.44 PHI = 180.							
RPM = 0. PW = 6.76 KPA REL = 74857315.				RPM = 2000. PW = 6.77 KPA REL = 7463115.							
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3717	0.0000	0.9212	0.9212	0.0000	0.0000	0.3725
0.0150	0.9554	0.8414	0.8230	0.4168	0.4071	0.0428	0.9645	0.7731	1.1127	0.5398	0.4442
0.0228	0.9578	0.8232	0.9529	0.4529	0.4159	0.0535	0.9665	0.7531	1.1903	0.5700	0.4559
0.0370	0.9624	0.7937	1.0309	0.5371	0.4315	0.0772	0.9695	0.7272	1.2505	0.6073	0.4722
0.0525	0.9672	0.7568	1.1789	0.5662	0.4526	0.0978	0.9721	0.7040	1.3800	0.6389	0.4875
0.1032	0.9728	0.7020	1.3898	0.6426	0.5111	0.1453	0.9755	0.6698	1.5107	0.6822	0.5128
0.1464	0.9762	0.6702	1.5510	0.6830	0.5111	0.1935	0.9772	0.6426	1.6137	0.7140	0.5341
0.1873	0.9780	0.6442	1.6697	0.7135	0.5314	0.2354	0.9794	0.6177	1.7110	0.7423	0.5556
0.2297	0.9803	0.6221	1.6967	0.7390	0.5504	0.2765	0.9820	0.5960	1.7597	0.7666	0.5763
0.2792	0.9831	0.5967	1.7505	0.7673	0.5743	0.3203	0.9834	0.5717	1.8576	0.7919	0.6004
0.3250	0.9843	0.5727	1.8556	0.7922	0.5975	0.3638	0.9852	0.5517	1.9822	0.8125	0.6223
0.3711	0.9863	0.5536	1.9769	0.8121	0.6188	0.4042	0.9870	0.5331	2.0633	0.8312	0.6442
0.4135	0.9875	0.5332	2.0640	0.8322	0.6423	0.4551	0.9882	0.5143	2.1462	0.8494	0.6676
0.4631	0.9891	0.5141	2.1493	0.8509	0.6662	0.4952	0.9896	0.4974	2.2242	0.8656	0.6904
0.5067	0.9904	0.4966	2.2299	0.8676	0.6858	0.5451	0.9907	0.4794	2.3090	0.8823	0.7162
0.5531	0.9920	0.4785	2.3147	0.8843	0.7155	0.5855	0.9916	0.4645	2.3820	0.8959	0.7392
0.5996	0.9932	0.4615	2.3962	0.8994	0.7412	0.6356	0.9932	0.4491	2.4611	0.9100	0.7648
0.6445	0.9940	0.4482	2.4678	0.9121	0.7644	0.6789	0.9938	0.4361	2.5287	0.9214	0.7875
0.6926	0.9948	0.4341	2.5410	0.9244	0.7850	0.7211	0.9943	0.4217	2.6354	0.9338	0.8135
0.7357	0.9961	0.4225	2.6031	0.9344	0.8103	0.7728	0.9958	0.4105	2.6701	0.9438	0.8368
0.7882	0.9982	0.4082	2.6829	0.9467	0.8366	0.8256	0.9963	0.3985	2.7350	0.9534	0.8605
0.8795	0.9970	0.3874	2.8063	0.9645	0.8840	0.9152	0.9977	0.3775	2.8638	0.9624	0.8840
0.9281	0.9987	0.3773	2.8694	0.9731	0.9075	0.9655	0.9982	0.3682	2.9250	0.9793	0.9328
0.9736	0.9992	0.3681	2.9276	0.9807	0.9205	1.0111	0.9986	0.3592	2.9826	0.9866	0.9556
1.0258	0.0000	0.3583	2.9925	0.9888	0.9562	1.0586	0.9985	0.3523	3.0286	0.9922	0.9742
1.0735	0.0008	0.3516	3.0394	0.9944	0.9745	1.1015	0.9990	0.3471	3.0642	0.9964	0.9888
1.1242	1.0018	0.3465	3.0752	0.9987	0.9900	1.1510	0.9991	0.3437	3.0876	0.9992	0.9985
1.1678	1.0005	0.3437	3.0920	1.0007	0.9965	1.1984	0.9992	0.3422	3.0992	1.0005	1.0023
1.2169	0.0017	0.3426	3.1014	1.0018	1.0008	1.2486	0.9997	0.3416	3.1037	1.0010	1.0032
1.2610	1.0023	0.3420	3.1068	1.0024	1.0031	1.2971	0.9994	0.3412	3.1059	1.0013	1.0062
1.3053	1.0017	0.3420	3.1059	1.0023	1.0027	1.3430	0.9995	0.3411	3.1054	1.0012	1.0059
1.3494	1.0015	0.3420	3.1049	1.0022	1.0023	1.3875	0.9996	0.3415	3.1037	1.0010	1.0052
1.3945	1.0017	0.3426	3.1017	1.0018	1.0005	1.4316	0.9990	0.3417	3.1012	1.0007	1.0042
1.4396	1.0013	0.3425	3.1011	1.0017	1.0007	1.4757	0.9992	0.3420	3.0998	1.0006	1.0036
1.4847	1.0021	0.3430	3.0998	1.0016	1.0001	1.5198	0.9995	0.3425	3.0973	1.0003	1.0025

MACH = 3.00 PO = 297.5 KPA TO = 309.3 K				MACH = 3.00 PO = 298.0 KPA TO = 309.4 K							
ALPHA = 4.20 Z/D = 4.44 PHI = 180.				ALPHA = 4.20 Z/D = 4.44 PHI = 180.							
RPM = 0. PW = 6.76 KPA REL = 74857315.				RPM = 2000. PW = 6.77 KPA REL = 7463115.							
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3717	0.0000	0.9212	0.9212	0.0000	0.0000	0.3725
0.0150	0.9554	0.8414	0.8230	0.4168	0.4071	0.0428	0.9645	0.7731	1.1127	0.5398	0.4442
0.0228	0.9578	0.8232	0.9529	0.4529	0.4159	0.0535	0.9665	0.7531	1.1903	0.5700	0.4559
0.0370	0.9624	0.7937	1.0309	0.5371	0.4315	0.0772	0.9695	0.7272	1.2505	0.6073	0.4722
0.0525	0.9672	0.7568	1.1789	0.5662	0.4526	0.0978	0.9721	0.7040	1.3800	0.6389	0.4875
0.1032	0.9728	0.7020	1.3898	0.6426	0.5111	0.1453	0.9755	0.6698	1.5107	0.6822	0.5128
0.1464	0.9762	0.6702	1.5510	0.6830	0.5111	0.1935	0.9772	0.6426	1.6137	0.7140	0.5341
0.1873	0.9780	0.6442	1.6697	0.7135	0.5314	0.2354	0.9794	0.6177	1.7110	0.7423	0.5556
0.2297	0.9803	0.6221	1.6967	0.7390	0.5504	0.2765	0.9820	0.5960	1.7597	0.7666	0.5763
0.2792	0.9831	0.5967	1.7505	0.7673	0.5743	0.3203	0.9834	0.5717	1.8576	0.7919	0.6004
0.3250	0.9843	0.5727	1.8556	0.7922	0.5975	0.3638	0.9852	0.5517	1.9822	0.8125	0.6223
0.3711	0.9863	0.5536	1.9769	0.8121	0.6188	0.4042	0.9870	0.5331	2.0633	0.8312	0.6442
0.4135	0.9875	0.5332	2.0640	0.8322	0.6423	0.4551	0.9882	0.5143	2.1462	0.8494	0.6676
0.4631	0.9891	0.5141	2.1493	0.8509	0.6662	0.4952	0.9896	0.4974	2.2242	0.8656	0.6904
0.5067	0.9904	0.4966	2.2299	0.8676	0.6858	0.5451	0.9907	0.4794	2.3090	0.8823	0.7162
0.5531	0.9920	0.4785	2.3147	0.8843	0.7155	0.5855	0.9916	0.4645	2.3820	0.8959	0.7392
0.5996	0.9932	0.4615	2.3962	0.8994	0.7412	0.6356	0.9932	0.4491	2.4611	0.9100	0.7648
0.6445	0.9940	0.4482	2.4678	0.9121	0.7644	0.6789	0.9938	0.4361	2.5287	0.9214	0.7875
0.6926	0.9948	0.4341	2.5410	0.9244	0.7850	0.7211	0.9943	0.4217	2.6354	0.9338	0.8135
0.7357	0.9961	0.4225	2.6031	0.9344	0.8103	0.7728	0.9958	0.4105	2.6701	0.9438	0.8368
0.7882	0.9982	0.4082	2.6829	0.9467	0.8366	0.8256	0.9963	0.3985	2.7350	0.9534	0.8605
0.8795	0.9970	0.3874	2.8063	0.9645	0.8840	0.9152	0.9977	0.3775	2.8638	0.9624	0.8840
0.9281	0.9987	0.3773	2.8694	0.9731	0.9075	0.9655	0.9982	0.3682	2.9250	0.9793	0.9328
0.9736	0.9992	0.3681	2.9276	0.9807	0.9205	1.0111	0.9986	0.3592	2.9826	0.9866	0.9556
1.0258	0.0000	0.3583	2.9925	0.9888	0.9562	1.0586	0.9985	0.3523	3.0286	0.9922	0.9742
1.0735	0.0008	0.3516	3.0394	0.9944	0.9745	1.1015	0.9990	0.3471	3.0642	0.9964	0.9888
1.1242	1.0018	0.3465	3.0752	0.9987	0.9900	1.1510	0.9991	0.3437	3.0876	0.9992	0.9985
1.1678	1.0005	0.3437	3.0920	1.0007	0.9965	1.1984	0.9992	0.3422	3.0992	1.0005	1.0023
1.2169	0.0017	0.3426	3.1014	1.0018	1.0008	1.2486	0.9997	0.3416	3.1037	1.0010	1.0032
1.2610	1.0023	0.3420	3.1068	1.0024	1.0031	1.2971	0.9994	0.3412	3.1059	1.0013	1.0062
1.3053	1.0017	0.3420	3.1059	1.0023	1.0027	1.3430	0.9995	0.3411	3.1054	1.0012	1.0059
1.3494	1.0015	0.3420	3.1049	1.0022	1.0023	1.3875	0.9996	0.3415	3.1037	1.0010	1.0052
1.3945	1.0017	0.3426	3.1017	1.0018	1.0005	1.4316	0.9990	0.3417	3.1012	1.0007	1.0042
1.4396	1.0013	0.3425	3.1011	1.0017	1.0007	1.4757	0.9992	0.3420	3.0998	1.0006	1.0036
1.4847	1.0021	0.3430	3.0998	1.0016	1.0001	1.5198	0.9995	0.3425	3.0973	1.0003	1.0025

MACH = 3.00
 ALPHA = 4.20
 RPM = 20000
 PO = 298.6 KPA
 Z/D = 4.44
 PW = 6.79 KPA
 TO = 308.8 K
 PHI = 190
 REL = 7264759

Y/DEL	TT/TO	Y/TTO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9209	0.0000	0.0000	0.3703
0.0171	0.9632	0.7392	1.2453	0.5909	0.4613
0.0319	0.9655	0.7245	1.3008	0.6112	0.4705
0.0518	0.9701	0.7045	1.3792	0.6388	0.4842
0.0859	0.9733	0.6738	1.4568	0.6780	0.5063
0.1261	0.9761	0.6489	1.5526	0.7079	0.5258
0.1708	0.9785	0.6254	1.6841	0.7349	0.5455
0.2154	0.9807	0.6060	1.7611	0.7565	0.5650
0.2625	0.9827	0.5816	1.8449	0.7788	0.5830
0.3028	0.9842	0.5582	1.9355	0.8015	0.6057
0.3456	0.9857	0.5361	2.0182	0.8212	0.6274
0.3968	0.9873	0.5110	2.0848	0.8363	0.6455
0.4348	0.9889	0.4911	2.1649	0.8536	0.6681
0.4785	0.9901	0.4729	2.2493	0.8709	0.6925
0.5308	0.9917	0.4571	2.3238	0.8854	0.7155
0.5723	0.9926	0.4438	2.3907	0.8978	0.7365
0.6226	0.9938	0.4320	2.4550	0.9245	0.7872
0.6668	0.9953	0.4205	2.5153	0.9357	0.8115
0.7168	0.9962	0.4082	2.5860	0.9461	0.8354
0.7655	0.9971	0.3956	2.6598	0.9574	0.8623
0.8172	0.9983	0.3852	2.7205	0.9658	0.8855
0.8585	0.9988	0.3751	2.7860	0.9746	0.9108
0.9079	0.9996	0.3656	2.8466	0.9825	0.9344
0.9542	1.0006	0.3572	2.9017	0.9893	0.9563
1.0049	1.0012	0.3507	2.9554	0.9946	0.9759
1.0511	1.0018	0.3465	3.0071	0.9981	0.9860
1.1005	1.0024	0.3440	3.0529	1.0002	0.9934
1.1486	1.0027	0.3429	3.1006	1.0010	0.9966
1.1938	1.0029	0.3424	3.1038	1.0014	0.9980
1.2466	1.0033	0.3423	3.1052	1.0016	0.9985
1.2937	1.0035	0.3421	3.1064	1.0017	0.9990
1.3438	1.0037	0.3424	3.1052	1.0016	0.9985
1.4928	1.0037	0.3424	3.1052	1.0016	0.9985
1.7460	1.0037	0.3424	3.1052	1.0016	0.9985
1.9890	1.0042	0.3426	3.1036	1.0014	0.9979

DEL = 0.4417
 THETA = 0.0319
 RHOE = 0.2254 KG/MEG
 DEL = 0.1756 CM
 UE = 638.2 P/SEC
 RUN = 4080

MACH = 3.00
 ALPHA = 4.20
 RPM = 20000
 PO = 298.6 KPA
 Z/D = 4.44
 PW = 6.79 KPA
 TO = 307.8 K
 PHI = 190
 REL = 7317517

Y/DEL	TT/TO	Y/TTO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9209	0.0000	0.0000	0.3705
0.0171	0.9632	0.7831	1.0723	0.5245	0.4357
0.0319	0.9655	0.7648	1.1455	0.5537	0.4461
0.0518	0.9701	0.7284	1.2790	0.6074	0.4685
0.0859	0.9733	0.6992	1.4000	0.6469	0.4882
0.1261	0.9761	0.6705	1.5056	0.6831	0.5011
0.1708	0.9785	0.6450	1.6070	0.7136	0.5262
0.2154	0.9807	0.6205	1.7037	0.7415	0.5552
0.2625	0.9827	0.5985	1.7912	0.7659	0.5804
0.3028	0.9842	0.5790	1.8645	0.7849	0.5981
0.3456	0.9857	0.5615	1.9447	0.8047	0.6081
0.3968	0.9873	0.5411	2.0304	0.8253	0.6310
0.4348	0.9889	0.5256	2.0954	0.8408	0.6455
0.4785	0.9901	0.5083	2.1770	0.8574	0.6715
0.5308	0.9917	0.4895	2.2659	0.8749	0.6973
0.5723	0.9926	0.4747	2.3356	0.8889	0.7155
0.6226	0.9938	0.4594	2.4115	0.9029	0.7425
0.6668	0.9953	0.4463	2.4799	0.9149	0.7659
0.7168	0.9962	0.4315	2.5580	0.9279	0.7921
0.7655	0.9971	0.4182	2.6311	0.9396	0.8174
0.8172	0.9983	0.4055	2.7013	0.9502	0.8423
0.8585	0.9988	0.3945	2.7676	0.9596	0.8665
0.9079	0.9996	0.3825	2.8377	0.9696	0.8928
0.9542	1.0006	0.3733	2.8984	0.9777	0.9160
1.0049	1.0012	0.3635	2.9613	0.9857	0.9407
1.0511	1.0018	0.3563	3.0094	0.9917	0.9558
1.1005	1.0024	0.3505	3.0497	0.9965	0.9761
1.1486	1.0024	0.3465	3.0740	0.9994	0.9861
1.1938	1.0027	0.3451	3.0866	1.0009	0.9913
1.2466	1.0029	0.3441	3.0543	1.0017	0.9945
1.2937	1.0033	0.3438	3.0972	1.0021	0.9957
1.3438	1.0035	0.3436	3.0987	1.0022	0.9963
1.4928	1.0037	0.3435	3.1000	1.0024	0.9965
1.7460	1.0037	0.3432	3.1016	1.0026	0.9975
1.9890	1.0042	0.3436	3.0594	1.0023	0.9966

DEL = 0.4469
 THETA = 0.0328
 RHOE = 0.2265 KG/MEG
 DEL = 0.1817 CM
 UE = 636.2 P/SEC
 RUN = 4075

MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 297.9 KPA Z/D = 4.44 PW = 6.64 KPA				TO = 309.2 K PHI = 210. REL = 7476564.			
Y/DEL	TT/TO	T/TO	M	U/UE	RM0/RM0E	Y/CEL	TT/TO	T/TO	M	U/UE	RM0/RM0E
0.0000	0.9209	0.9209	0.0000	0.0000	0.3659	0.0000	0.9209	0.9209	0.0000	0.0000	0.3659
0.0154	0.9518	0.9518	0.7449	0.3803	0.4253	0.0376	0.9604	0.8008	0.9982	0.4920	0.4253
0.0327	0.9578	0.9578	0.8211	0.4563	0.4393	0.0486	0.9638	0.7753	1.1027	0.5348	0.4393
0.0392	0.9626	0.9626	0.8519	0.5151	0.4325	0.0626	0.9668	0.7586	1.1691	0.5608	0.4450
0.0521	0.9661	0.9661	0.8607	0.5589	0.4466	0.0724	0.9674	0.7467	1.2157	0.5785	0.4562
0.0588	0.9721	0.9721	0.8661	0.6362	0.4623	0.0864	0.9693	0.7295	1.2806	0.6025	0.4667
0.0644	0.9752	0.9752	0.8660	0.6758	0.5055	0.0949	0.9701	0.7230	1.3072	0.6122	0.4712
0.0747	0.9779	0.9779	0.8660	0.7106	0.5282	0.1042	0.9735	0.6857	1.4497	0.6611	0.4968
0.0844	0.9801	0.9801	0.8660	0.7388	0.5452	0.1126	0.9764	0.6565	1.5594	0.6962	0.5184
0.0924	0.9823	0.9823	0.8660	0.7699	0.5756	0.1298	0.9787	0.6324	1.6544	0.7247	0.5385
0.1026	0.9841	0.9841	0.8660	0.7909	0.5955	0.1489	0.9810	0.6076	1.7529	0.7525	0.5606
0.1132	0.9863	0.9863	0.8660	0.8186	0.6252	0.1697	0.9828	0.5832	1.8511	0.7786	0.5840
0.1244	0.9882	0.9882	0.8660	0.8407	0.6516	0.1924	0.9846	0.5607	1.9449	0.8020	0.6075
0.1364	0.9900	0.9900	0.8660	0.8626	0.6816	0.2164	0.9864	0.5378	2.0425	0.8250	0.6323
0.1494	0.9912	0.9912	0.8660	0.8831	0.7129	0.2414	0.9883	0.5154	2.1418	0.8468	0.6605
0.1634	0.9926	0.9926	0.8660	0.8990	0.7358	0.2674	0.9908	0.4951	2.2350	0.8661	0.6880
0.1774	0.9941	0.9941	0.8660	0.9160	0.7717	0.2944	0.9936	0.4760	2.3256	0.8838	0.7154
0.1914	0.9955	0.9955	0.8660	0.9300	0.8005	0.3224	0.9964	0.4544	2.4238	0.9035	0.7457
0.2054	0.9969	0.9969	0.8660	0.9436	0.8310	0.3514	0.9992	0.4368	2.5253	0.9192	0.7755
0.2194	0.9983	0.9983	0.8660	0.9542	0.8571	0.3814	1.0020	0.4203	2.6144	0.9335	0.8104
0.2334	0.9997	0.9997	0.8660	0.9641	0.8830	0.4114	1.0048	0.4071	2.6891	0.9449	0.8368
0.2474	1.0011	1.0011	0.8660	0.9742	0.9115	0.4414	1.0076	0.3932	2.7699	0.9566	0.8662
0.2614	1.0025	1.0025	0.8660	0.9825	0.9366	0.4714	1.0104	0.3800	2.8501	0.9677	0.8962
0.2754	1.0039	1.0039	0.8660	0.9948	0.9575	0.5014	1.0132	0.3687	2.9217	0.9771	0.9238
0.2894	1.0053	1.0053	0.8660	1.0094	0.9765	0.5314	1.0160	0.3517	3.0043	0.9843	0.9461
0.3034	1.0067	1.0067	0.8660	1.0204	0.9922	0.5614	1.0188	0.3425	3.0743	0.9910	0.9655
0.3174	1.0081	1.0081	0.8660	1.0309	0.9994	0.5914	1.0216	0.3346	3.1425	0.9958	0.9848
0.3314	1.0095	1.0095	0.8660	1.0409	0.9994	0.6214	1.0244	0.3267	3.2097	0.9991	0.9965
0.3454	1.0109	1.0109	0.8660	1.0509	0.9994	0.6514	1.0272	0.3188	3.2769	1.0001	1.0004
0.3594	1.0123	1.0123	0.8660	1.0609	0.9994	0.6814	1.0300	0.3113	3.3425	1.0003	1.0011
0.3734	1.0137	1.0137	0.8660	1.0709	0.9994	0.7114	1.0328	0.3034	3.4071	1.0003	1.0012
0.3874	1.0151	1.0151	0.8660	1.0809	0.9994	0.7414	1.0356	0.2955	3.4717	1.0003	1.0012
0.4014	1.0165	1.0165	0.8660	1.0909	0.9994	0.7714	1.0384	0.2876	3.5363	1.0003	1.0012
0.4154	1.0179	1.0179	0.8660	1.1009	0.9994	0.8014	1.0412	0.2797	3.6009	1.0003	1.0012
0.4294	1.0193	1.0193	0.8660	1.1109	0.9994	0.8314	1.0440	0.2718	3.6655	1.0003	1.0012
0.4434	1.0207	1.0207	0.8660	1.1209	0.9994	0.8614	1.0468	0.2639	3.7301	1.0003	1.0012
0.4574	1.0221	1.0221	0.8660	1.1309	0.9994	0.8914	1.0496	0.2560	3.7947	1.0003	1.0012
0.4714	1.0235	1.0235	0.8660	1.1409	0.9994	0.9214	1.0524	0.2481	3.8593	1.0003	1.0012
0.4854	1.0249	1.0249	0.8660	1.1509	0.9994	0.9514	1.0552	0.2402	3.9239	1.0003	1.0012
0.4994	1.0263	1.0263	0.8660	1.1609	0.9994	0.9814	1.0580	0.2323	3.9885	1.0003	1.0012
0.5134	1.0277	1.0277	0.8660	1.1709	0.9994	1.0114	1.0608	0.2244	4.0531	1.0003	1.0012
0.5274	1.0291	1.0291	0.8660	1.1809	0.9994	1.0414	1.0636	0.2165	4.1177	1.0003	1.0012
0.5414	1.0305	1.0305	0.8660	1.1909	0.9994	1.0714	1.0664	0.2086	4.1823	1.0003	1.0012
0.5554	1.0319	1.0319	0.8660	1.2009	0.9994	1.1014	1.0692	0.2007	4.2469	1.0003	1.0012
0.5694	1.0333	1.0333	0.8660	1.2109	0.9994	1.1314	1.0720	0.1928	4.3115	1.0003	1.0012
0.5834	1.0347	1.0347	0.8660	1.2209	0.9994	1.1614	1.0748	0.1849	4.3761	1.0003	1.0012
0.5974	1.0361	1.0361	0.8660	1.2309	0.9994	1.1914	1.0776	0.1770	4.4407	1.0003	1.0012
0.6114	1.0375	1.0375	0.8660	1.2409	0.9994	1.2214	1.0804	0.1691	4.5053	1.0003	1.0012
0.6254	1.0389	1.0389	0.8660	1.2509	0.9994	1.2514	1.0832	0.1612	4.5699	1.0003	1.0012
0.6394	1.0403	1.0403	0.8660	1.2609	0.9994	1.2814	1.0860	0.1533	4.6345	1.0003	1.0012
0.6534	1.0417	1.0417	0.8660	1.2709	0.9994	1.3114	1.0888	0.1454	4.6991	1.0003	1.0012
0.6674	1.0431	1.0431	0.8660	1.2809	0.9994	1.3414	1.0916	0.1375	4.7637	1.0003	1.0012
0.6814	1.0445	1.0445	0.8660	1.2909	0.9994	1.3714	1.0944	0.1296	4.8283	1.0003	1.0012
0.6954	1.0459	1.0459	0.8660	1.3009	0.9994	1.4014	1.0972	0.1217	4.8929	1.0003	1.0012
0.7094	1.0473	1.0473	0.8660	1.3109	0.9994	1.4314	1.1000	0.1138	4.9575	1.0003	1.0012
0.7234	1.0487	1.0487	0.8660	1.3209	0.9994	1.4614	1.1028	0.1059	5.0221	1.0003	1.0012
0.7374	1.0501	1.0501	0.8660	1.3309	0.9994	1.4914	1.1056	0.0980	5.0867	1.0003	1.0012
0.7514	1.0515	1.0515	0.8660	1.3409	0.9994	1.5214	1.1084	0.0901	5.1513	1.0003	1.0012
0.7654	1.0529	1.0529	0.8660	1.3509	0.9994	1.5514	1.1112	0.0822	5.2159	1.0003	1.0012
0.7794	1.0543	1.0543	0.8660	1.3609	0.9994	1.5814	1.1140	0.0743	5.2805	1.0003	1.0012
0.7934	1.0557	1.0557	0.8660	1.3709	0.9994	1.6114	1.1168	0.0664	5.3451	1.0003	1.0012
0.8074	1.0571	1.0571	0.8660	1.3809	0.9994	1.6414	1.1196	0.0585	5.4097	1.0003	1.0012
0.8214	1.0585	1.0585	0.8660	1.3909	0.9994	1.6714	1.1224	0.0506	5.4743	1.0003	1.0012
0.8354	1.0599	1.0599	0.8660	1.4009	0.9994	1.7014	1.1252	0.0427	5.5389	1.0003	1.0012
0.8494	1.0613	1.0613	0.8660	1.4109	0.9994	1.7314	1.1280	0.0348	5.6035	1.0003	1.0012
0.8634	1.0627	1.0627	0.8660	1.4209	0.9994	1.7614	1.1308	0.0269	5.6681	1.0003	1.0012
0.8774	1.0641	1.0641	0.8660	1.4309	0.9994	1.7914	1.1336	0.0190	5.7327	1.0003	1.0012
0.8914	1.0655	1.0655	0.8660	1.4409	0.9994	1.8214	1.1364	0.0111	5.7973	1.0003	1.0012
0.9054	1.0669	1.0669	0.8660	1.4509	0.9994	1.8514	1.1392	0.0032	5.8619	1.0003	1.0012
0.9194	1.0683	1.0683	0.8660	1.4609	0.9994	1.8814	1.1420	0.0000	5.9265	1.0003	1.0012
0.9334	1.0697	1.0697	0.8660	1.4709	0.9994	1.9114	1.1448	0.0000	5.9911	1.0003	1.0012
0.9474	1.0711	1.0711	0.8660	1.4809	0.9994	1.9414	1.1476	0.0000	6.0557	1.0003	1.0012
0.9614	1.0725	1.0725	0.8660	1.4909	0.9994	1.9714	1.1504	0.0000	6.1203	1.0003	1.0012
0.9754	1.0739	1.0739	0.8660	1.5009	0.9994	2.0014	1.1532	0.0000	6.1849	1.0003	1.0012
0.9894	1.0753	1.0753	0.8660	1.5109	0.9994	2.0314	1.1560	0.0000	6.2495	1.0003	1.0012
0.9934	1.0767	1.0767	0.8660	1.5209	0.9994	2.0614	1.1588	0.0000	6.3141	1.0003	1.0012
0.9974	1.0781	1.0781	0.8660	1.5309	0.9994	2.0914	1.1616	0.0000	6.3787	1.0003	1.0012
1.0014	1.0795	1.0795	0.8660	1.5409	0.9994	2.1214	1.1644	0.0000	6.4433	1.0003	1.0012
1.0054	1.0809	1.0809	0.8660	1.5509	0.9994	2.1514	1.1672	0.0000	6.5079	1.0003	1.0012
1.0094	1.0823	1.0823	0.8660	1.5609	0.9994	2.1814	1.1700	0.0000	6.5725	1.0003	1.0012
1.0134	1.0837	1.0837	0.8660	1.5709	0.9994	2.2114	1.1728	0.0000	6.6371	1.0003	1.0012
1.0174	1.0851	1.0851	0.8660	1.5809	0.9994	2.2414	1.1756	0.0000	6.7017	1.0003	1.0012
1.0214	1.0865	1.0865	0.8660	1.5909	0.9994	2.2714	1.1784	0.0000	6.7663	1.0003	1.0012
1.0254	1.0879	1.0879	0.8660	1.6009	0.9994	2.3014	1.1812	0.0000	6.8309	1.0003	1.0012
1.0294	1.0893	1.0893	0.8660	1.6109	0.9994	2.3314	1.1840	0.0000	6.8955	1.0003	1.0012
1.0334	1.0907	1.0907	0.8660	1.6209	0.9994	2.3614	1.1868	0.0000	6.9601	1.0003	1.0012
1.0374	1.0921	1.0921	0.8660	1.6309	0.9994	2.3914	1.1896	0.0000	7.0247	1.0003	1.0012
1.0414	1.0935	1.0935	0.8660	1.6409	0.9994	2.4214	1.1924	0.0000	7.0893	1.0003	1.0012
1.0454	1.0949	1.0949	0.8660								

MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 295.0 KPA Z/D = 4.44 PW = 6.35 KPA				TO = 302.5 K PHI = 240. REL = 7761105.			
V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	V/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9201	0.9201	0.0000	0.0000	0.3609	0.0000	0.9198	0.9198	0.0000	0.0000	0.3609
0.0252	0.9583	0.8095	0.9588	0.4725	0.4132	0.3585	0.9668	0.7455	1.2169	0.5760	0.4450
0.0426	0.9639	0.7692	1.1251	0.5405	0.4349	0.0795	0.9692	0.7190	1.3206	0.6137	0.4616
0.0599	0.9689	0.7260	1.2935	0.6037	0.4607	0.0971	0.9725	0.6944	1.4152	0.6462	0.4781
0.0755	0.9737	0.6776	1.4783	0.6666	0.4936	0.1431	0.9760	0.6593	1.5496	0.6895	0.5035
0.0937	0.9775	0.6372	1.6341	0.7146	0.5245	0.1912	0.9788	0.6305	1.6618	0.7231	0.5266
0.1294	0.9810	0.5971	1.7930	0.7590	0.5601	0.2396	0.9809	0.6055	1.7593	0.7504	0.5480
0.1658	0.9835	0.5688	1.9694	0.8094	0.5881	0.2922	0.9830	0.5810	1.8599	0.7768	0.5715
0.2022	0.9859	0.5381	2.1636	0.8619	0.6216	0.3506	0.9854	0.5535	1.9736	0.8048	0.5996
0.2382	0.9878	0.5104	2.3726	0.9163	0.6552	0.4235	0.9876	0.5245	2.1012	0.8338	0.6322
0.2749	0.9896	0.4850	2.6010	0.9702	0.6896	0.4915	0.9898	0.4974	2.247	0.8596	0.6678
0.3122	0.9914	0.4595	2.8460	1.0234	0.7279	0.5535	0.9917	0.4720	2.4063	0.8831	0.7028
0.3508	0.9928	0.4398	3.1072	1.0764	0.7604	0.6135	0.9934	0.4494	2.5837	0.9035	0.7392
0.3894	0.9943	0.4175	3.3822	1.1284	0.7922	0.6911	0.9950	0.4261	2.7757	0.9239	0.7797
0.4272	0.9955	0.3987	3.6737	1.1794	0.8188	0.7552	0.9964	0.4055	2.9892	0.9416	0.8193
0.4652	0.9963	0.3830	3.9806	1.2294	0.8446	0.8300	0.9979	0.3976	3.2129	0.9567	0.8575
0.5038	0.9975	0.3678	4.3032	1.2772	0.8694	0.8945	0.9989	0.3717	3.4507	0.9699	0.8942
0.5424	0.9984	0.3540	4.6462	1.3224	0.8932	0.9654	0.9998	0.3482	3.7000	0.9808	0.9272
0.5808	0.9991	0.3397	5.0097	1.3644	0.9164	1.0365	1.0004	0.3266	3.9600	0.9890	0.9544
0.6192	0.9998	0.3247	5.3932	1.4034	0.9384	1.0972	1.0007	0.3066	4.2300	0.9935	0.9701
0.6576	0.9999	0.3094	5.7967	1.4394	0.9594	1.1745	1.0009	0.2886	4.5100	0.9959	0.9766
0.6960	0.9999	0.2936	6.2202	1.4724	0.9784	1.2337	1.0012	0.2726	4.8000	0.9968	0.9817
0.7344	0.9999	0.2772	6.6637	1.5024	0.9954	1.3031	1.0014	0.2576	5.1000	0.9977	0.9851
0.7728	0.9999	0.2604	7.1272	1.5294	1.0104	1.3745	1.0016	0.2426	5.4100	0.9979	0.9858
0.8112	0.9999	0.2432	7.6107	1.5534	1.0274	1.4487	1.0018	0.2276	5.7300	0.9984	0.9878
0.8496	0.9999	0.2256	8.1142	1.5754	1.0424	1.5211	1.0019	0.2126	6.0600	0.9991	0.9903
0.8880	0.9999	0.2076	8.6377	1.5954	1.0564	1.5945	1.0020	0.1976	6.4000	0.9996	0.9920
0.9264	0.9999	0.1892	9.1812	1.6134	1.0694	1.6679	1.0021	0.1826	6.7500	1.0000	0.9935
0.9648	0.9999	0.1704	9.7447	1.6294	1.0814	1.7413	1.0022	0.1676	7.1100	1.0003	0.9946
1.0032	0.9999	0.1512	10.3282	1.6434	1.0924	1.8147	1.0023	0.1526	7.4800	1.0004	0.9946
1.0416	0.9999	0.1316	10.9317	1.6554	1.1024	1.8881	1.0024	0.1376	7.8600	1.0004	0.9946

MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 295.0 KPA Z/D = 4.44 PW = 6.35 KPA				TO = 302.5 K PHI = 240. REL = 7761105.			
V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	V/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9201	0.9201	0.0000	0.0000	0.3609	0.0000	0.9198	0.9198	0.0000	0.0000	0.3609
0.0252	0.9583	0.8095	0.9588	0.4725	0.4132	0.3585	0.9668	0.7455	1.2169	0.5760	0.4450
0.0426	0.9639	0.7692	1.1251	0.5405	0.4349	0.0795	0.9692	0.7190	1.3206	0.6137	0.4616
0.0599	0.9689	0.7260	1.2935	0.6037	0.4607	0.0971	0.9725	0.6944	1.4152	0.6462	0.4781
0.0755	0.9737	0.6776	1.4783	0.6666	0.4936	0.1431	0.9760	0.6593	1.5496	0.6895	0.5035
0.0937	0.9775	0.6372	1.6341	0.7146	0.5245	0.1912	0.9788	0.6305	1.6618	0.7231	0.5266
0.1294	0.9810	0.5971	1.7930	0.7590	0.5601	0.2396	0.9809	0.6055	1.7593	0.7504	0.5480
0.1658	0.9835	0.5688	1.9694	0.8094	0.5881	0.2922	0.9830	0.5810	1.8599	0.7768	0.5715
0.2022	0.9859	0.5381	2.1636	0.8619	0.6216	0.3506	0.9854	0.5535	1.9736	0.8048	0.5996
0.2382	0.9878	0.5104	2.3726	0.9163	0.6552	0.4235	0.9876	0.5245	2.1012	0.8338	0.6322
0.2749	0.9896	0.4850	2.6010	0.9702	0.6896	0.4915	0.9898	0.4974	2.247	0.8596	0.6678
0.3122	0.9914	0.4595	2.8460	1.0234	0.7279	0.5535	0.9917	0.4720	2.4063	0.8831	0.7028
0.3508	0.9928	0.4398	3.1072	1.0764	0.7604	0.6135	0.9934	0.4494	2.5837	0.9035	0.7392
0.3894	0.9943	0.4175	3.3822	1.1284	0.7922	0.6911	0.9950	0.4261	2.7757	0.9239	0.7797
0.4272	0.9955	0.3987	3.6737	1.1794	0.8188	0.7552	0.9964	0.4055	2.9892	0.9416	0.8193
0.4652	0.9963	0.3830	3.9806	1.2294	0.8446	0.8300	0.9979	0.3976	3.2129	0.9567	0.8575
0.5038	0.9975	0.3678	4.3032	1.2772	0.8694	0.8945	0.9989	0.3717	3.4507	0.9699	0.8942
0.5424	0.9984	0.3540	4.6462	1.3224	0.8932	0.9654	0.9998	0.3482	3.7000	0.9808	0.9272
0.5808	0.9991	0.3397	5.0097	1.3644	0.9164	1.0365	1.0004	0.3266	3.9600	0.9890	0.9544
0.6192	0.9998	0.3247	5.3932	1.4034	0.9384	1.0972	1.0007	0.3066	4.2300	0.9935	0.9701
0.6576	0.9999	0.3094	5.7967	1.4394	0.9594	1.1745	1.0009	0.2886	4.5100	0.9959	0.9766
0.6960	0.9999	0.2936	6.2202	1.4724	0.9784	1.2337	1.0012	0.2726	4.8000	0.9968	0.9817
0.7344	0.9999	0.2772	6.6637	1.5024	0.9954	1.3031	1.0014	0.2576	5.1000	0.9977	0.9851
0.7728	0.9999	0.2604	7.1272	1.5294	1.0104	1.3745	1.0016	0.2426	5.4100	0.9979	0.9858
0.8112	0.9999	0.2432	7.6107	1.5534	1.0274	1.4487	1.0018	0.2276	5.7300	0.9984	0.9878
0.8496	0.9999	0.2256	8.1142	1.5754	1.0424	1.5211	1.0019	0.2126	6.0600	0.9991	0.9903
0.8880	0.9999	0.2076	8.6377	1.5954	1.0564	1.5945	1.0020	0.1976	6.4000	0.9996	0.9920
0.9264	0.9999	0.1892	9.1812	1.6134	1.0694	1.6679	1.0021	0.1826	6.7500	1.0000	0.9935
0.9648	0.9999	0.1704	9.7447	1.6294	1.0814	1.7413	1.0022	0.1676	7.1100	1.0003	0.9946
1.0032	0.9999	0.1512	10.3282	1.6434	1.0924	1.8147	1.0023	0.1526	7.4800	1.0004	0.9946
1.0416	0.9999	0.1316	10.9317	1.6554	1.1024	1.8881	1.0024	0.1376	7.8600	1.0004	0.9946

MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 295.0 KPA Z/D = 4.44 PW = 6.35 KPA				TO = 302.5 K PHI = 240. REL = 7761105.			
V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	V/CEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9201	0.9201	0.0000	0.0000	0.3609	0.0000	0.9198	0.9198	0.0000	0.0000	0.3609
0.0252	0.9583	0.8095	0.9588	0.4725	0.4132	0.3585	0.9668	0.7455	1.2169	0.5760	0.4450
0.0426	0.9639	0.7692	1.1251	0.5405	0.4349	0.0795	0.9692	0.7190	1.3206	0.6137	0.4616
0.0599	0.9689	0.7260	1.2935	0.6037	0.4607	0.0971	0.9725	0.6944	1.4152	0.6462	0.4781
0.0755	0.9737	0.6776	1.4783	0.6666	0.4936	0.1431	0.9760	0.6593	1.5496	0.6895	0.5035
0.0937	0.9775	0.6372	1.6341	0.7146	0.5245	0.1912	0.9788	0.6305	1.6618	0.7231	0.5266
0.1294	0.9810	0.5971	1.7930	0.7590	0.5601	0.2396	0.9809	0.6055	1.7593	0.7504	0.5480
0.1658	0.9835	0.5688	1.9694	0.8094	0.5881	0.2922	0.9830	0.5810	1.8599	0.7768	0.5715
0.2022	0.9859	0.5381	2.1636	0.8619	0.6216	0.3506	0.9854	0.5535	1.9736	0.8048	0.5996
0.2382	0.9878	0.5104	2.3726	0.9163	0.6552	0.4235	0.9876	0.5245	2.1012	0.8338	0.6322
0.2749	0.9896	0.4850	2.6010	0.9702	0.6896	0.4915	0.9898	0.4974	2.247	0.8596	0.6678
0.3122	0.9914	0.4595	2.8460	1.0234	0.7279	0.5535	0.9917	0.4720	2.4063	0.8831	0.7028
0.3508	0.9928	0.4398	3.1072	1.0764	0.7604	0.6135	0.9934	0.4494	2.5837	0.9035	0.7392
0.3894	0.9943	0.4175	3.3822	1.1284	0.7922	0.6911	0.9950	0.4261	2.7757	0.9239	0.7797
0.4272	0.9955	0.3987	3.6737	1.1794	0.8188	0.7552	0.9964	0.4055	2.9892	0.9416	0.8193
0.4652	0.9963	0.3830	3.9806	1.2294	0.8446	0.8300	0.9979	0.3976	3.2129	0.9567	0.8575
0.5038	0.9975	0.3678	4.3032	1.2772	0.8694	0.8945	0.9989	0.3717	3.4507	0.9699	0.8942
0.5424	0.9984	0.3540	4.6462	1.3224	0.8932	0.9654	0.9998	0.3482	3.7000	0.9808	0.9272
0.5808	0.9991	0.3397	5.0097	1.3644	0.9164	1.0365	1.0004	0.3266	3.9600	0.9890	0.9544
0.6192	0.9998	0.3247	5.3932	1.4034	0.9384	1.0972	1.0007	0.3066	4.2300	0.9935	0.9701
0.6576	0.9999	0.3094	5.7967	1.4394	0.9594	1.1745	1.0009	0.2886	4.5100	0.9959	0.9766
0.6960	0.9999	0.2936	6.2202	1.4724	0.9784	1.2337	1.0012	0.2726	4.8000	0.9968	0.9817
0.7344	0.9999	0.2772	6.6637	1.5024	0.9954	1.3031	1.00				

MACH = 3.00 TO = 310.7 K
 ALPHA = 4.20 PHI = 300.
 RPM = 2000. PW = 7.12 KPA REL=74395EL.

Y/DEL	TT/TU	T/TJ	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3722
0.0906	0.9709	0.7151	1.3374	0.6240	0.4794
0.202	0.9733	0.6747	1.4926	0.6763	0.5082
0.1418	0.9770	0.6531	1.5745	0.7020	0.5248
0.1607	0.9787	0.6339	1.6493	0.7245	0.5408
0.2041	0.9819	0.5970	1.7955	0.7654	0.5742
0.2445	0.9838	0.5763	1.8803	0.7875	0.5545
0.2967	0.9853	0.5548	1.9696	0.8094	0.6178
0.3460	0.9867	0.5365	2.0467	0.8274	0.6385
0.3872	0.9879	0.5231	2.1076	0.8410	0.6554
0.4369	0.9890	0.5058	2.1852	0.8575	0.6777
0.4811	0.9901	0.4908	2.2555	0.8717	0.6985
0.5284	0.9911	0.4754	2.3291	0.8860	0.7211
0.5757	0.9923	0.4618	2.3964	0.8984	0.7424
0.6261	0.9931	0.4471	2.4709	0.9116	0.7666
0.6626	0.9935	0.4360	2.5293	0.9214	0.7862
0.7123	0.9948	0.4217	2.6066	0.9339	0.8128
0.7585	0.9956	0.4100	2.6721	0.9440	0.8360
0.8067	0.9964	0.3974	2.7451	0.9548	0.8625
0.8550	0.9971	0.3867	2.8093	0.9639	0.8865
0.9207	0.9979	0.3732	2.8931	0.9751	0.9185
0.9898	0.9986	0.3624	2.9628	0.9840	0.9459
1.0593	0.9994	0.3524	3.0296	0.9922	0.9728
1.1863	0.9996	0.3488	3.0543	0.9952	0.9829
1.2864	0.9996	0.3470	3.0664	0.9966	0.9879
1.3867	0.9994	0.3464	3.0701	0.9970	0.9854
1.4842	0.9996	0.3462	3.0717	0.9972	0.9900
1.5851	0.9998	0.3460	3.0735	0.9974	0.9908
1.7782	0.9998	0.3457	3.0760	0.9977	0.9918
2.2752	0.9997	0.3448	3.0815	0.9984	0.9941
2.7844	0.9997	0.3443	3.0853	0.9988	0.9956
3.2985	0.9998	0.3436	3.0899	0.9993	0.9976
3.7975	0.9998	0.3431	3.0938	0.9998	0.9952
4.2975	0.9998	0.3426	3.0969	1.0001	1.0005
4.8041	1.0000	0.3425	3.0985	1.0003	1.0011
5.2768	1.0000	0.3429	3.0957	1.0000	1.0000

CEL = 0.2175 DELL = .0836 CM
 THETA = .01475 M = 5.787
 RHOE = 0.2331 KG/M**3

MACH = 3.00 TO = 310.7 K
 ALPHA = 4.20 PHI = 300.
 RPM = 0. PW = 7.11 KPA REL=7422576.

Y/DEL	TT/TU	T/TJ	M	U/UE	RHO/RHOE
0.0000	0.9212	0.9212	0.0000	0.0000	0.3723
0.0906	0.9709	0.8211	0.9140	0.4579	0.4214
0.202	0.9733	0.8142	0.9442	0.4701	0.4577
0.1418	0.9770	0.7496	1.2062	0.5762	0.4845
0.1607	0.9787	0.7075	1.3658	0.6341	0.5055
0.2041	0.9819	0.6733	1.4982	0.6783	0.5519
0.2445	0.9838	0.6215	1.6989	0.7390	0.5728
0.2967	0.9853	0.5988	1.7891	0.7640	0.5961
0.3460	0.9867	0.5755	1.8845	0.7888	0.6198
0.3872	0.9879	0.5523	1.9764	0.8113	0.6405
0.4369	0.9890	0.5352	2.0550	0.8295	0.6611
0.4811	0.9901	0.5188	2.1273	0.8455	0.6815
0.5284	0.9911	0.5032	2.1980	0.8604	0.7049
0.5757	0.9923	0.4866	2.2751	0.8761	0.7297
0.6261	0.9931	0.4700	2.3561	0.8914	0.7535
0.6626	0.9935	0.4551	2.4304	0.9048	0.7760
0.7123	0.9948	0.4420	2.4984	0.9166	0.7937
0.7585	0.9956	0.4322	2.5507	0.9253	0.8182
0.8067	0.9964	0.4189	2.6232	0.9368	0.8449
0.8550	0.9971	0.4060	2.6562	0.9480	0.8654
0.9207	0.9979	0.3963	2.7524	0.9562	0.8854
0.9898	0.9986	0.3884	2.8001	0.9629	0.9087
1.0593	0.9994	0.3775	2.8672	0.9720	0.9291
1.1863	0.9996	0.3661	2.9393	0.9814	0.9369
1.2864	0.9996	0.3565	2.9597	0.9889	0.9609
1.3867	0.9994	0.3526	3.0293	0.9925	0.9729
1.4842	0.9996	0.3505	3.0434	0.9942	0.9726
1.5851	0.9998	0.3481	3.0595	0.9955	0.9822
1.7782	0.9998	0.3469	3.0673	0.9971	0.9853
2.2752	0.9997	0.3464	3.0714	0.9975	0.9901
2.7844	0.9997	0.3460	3.0738	0.9978	0.9911
3.2985	0.9998	0.3456	3.0772	0.9982	0.9925
3.7975	0.9998	0.3449	3.0815	0.9987	0.9943
4.2975	0.9998	0.3443	3.0858	0.9992	0.9961
4.8041	1.0004	0.3436	3.0901	0.9997	0.9975
5.2768	1.0004	0.3424	3.0901	1.0009	1.0020
4.3024	1.0004	0.3429	3.0562	1.0004	1.0004
4.7956	1.0004	0.3425	3.0590	1.0007	1.0016
5.2843	1.0004	0.3426	3.0687	1.0007	1.0015

CEL = 0.2173 DELL = .0833 CM
 THETA = .01494 M = 5.557
 RHOE = 0.2222 KG/M**3

MACH = 3.00				PO = 298.6 KPA				TO = 312.2 K			
ALPHA = 4.20				Z/D = 4.44				PHI = 330.			
RPM = 2000.				PW = 7.80 KPA				REL = 743652.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0300	0.9225	0.9225	0.0000	0.0000	0.3840	0.0300	0.9225	0.9225	0.0000	0.0000	0.3840
0.3347	0.9608	0.8111	0.9607	0.4817	0.4368	0.3347	0.9608	0.7646	1.1501	0.5599	0.4636
0.3527	0.9660	0.7724	1.1196	0.5478	0.4528	0.1014	0.9732	0.7084	1.3671	0.6406	0.5004
0.3798	0.9717	0.7223	1.3141	0.6218	0.4506	0.1254	0.9759	0.6807	1.4857	0.6807	0.5234
0.4010	0.9755	0.6827	1.4646	0.6737	0.5190	0.1524	0.9790	0.6438	1.6136	0.7209	0.5505
0.4286	0.9778	0.6603	1.5505	0.7014	0.5366	0.1885	0.9812	0.6155	1.7071	0.7483	0.5717
0.4686	0.9812	0.6235	1.6924	0.7441	0.5681	0.2006	0.9826	0.6055	1.7646	0.7644	0.5855
0.5181	0.9835	0.5871	1.8382	0.7842	0.6034	0.2380	0.9849	0.5734	1.8940	0.7986	0.6180
0.5655	0.9858	0.5686	1.9155	0.8040	0.6232	0.3056	0.9866	0.5532	1.9791	0.8196	0.6407
0.6113	0.9870	0.5511	1.9888	0.8219	0.6430	0.3645	0.9881	0.5344	2.0602	0.8385	0.6632
0.6612	0.9883	0.5330	2.0665	0.8400	0.6648	0.4164	0.9893	0.5207	2.1210	0.8521	0.6808
0.7239	0.9897	0.5170	2.1380	0.8558	0.6855	0.4594	0.9902	0.5058	2.1881	0.8664	0.7007
0.7680	0.9905	0.5025	2.2021	0.8693	0.7047	0.5086	0.9914	0.4912	2.2564	0.8804	0.7217
0.8216	0.9915	0.4836	2.2923	0.8875	0.7327	0.5611	0.9926	0.4741	2.3384	0.8964	0.7478
0.8755	0.9932	0.4666	2.3756	0.9033	0.7556	0.6200	0.9935	0.4585	2.4154	0.9106	0.7731
0.9295	0.9948	0.4525	2.4444	0.9158	0.7825	0.6792	0.9948	0.4423	2.4993	0.9253	0.8016
0.9843	0.9957	0.4411	2.5054	0.9263	0.8033	0.7104	0.9952	0.4328	2.5488	0.9336	0.8195
1.0387	0.9963	0.4278	2.5761	0.9381	0.8282	0.7730	0.9955	0.4163	2.6395	0.9482	0.8515
1.0931	0.9968	0.4191	2.6241	0.9458	0.8455	0.8264	0.9972	0.4046	2.7065	0.9583	0.8763
1.1474	0.9973	0.4030	2.7154	0.9597	0.8792	0.8769	0.9977	0.3944	2.7655	0.9670	0.8966
1.2018	0.9981	0.3943	2.7668	0.9672	0.8928	0.9117	0.9982	0.3867	2.8118	0.9735	0.9165
1.2562	0.9986	0.3758	2.8798	0.9828	0.9420	0.9847	0.9989	0.3748	2.8859	0.9836	0.9458
1.3106	0.9992	0.3665	2.9386	0.9905	0.9667	1.0337	0.9999	0.3645	2.9495	0.9919	0.9716
1.3650	0.9994	0.3591	2.9878	0.9967	0.9865	1.0837	0.9999	0.3618	2.9697	0.9944	0.9759
1.4194	0.9997	0.3564	3.0051	0.9988	0.9941	1.1285	0.9999	0.3588	2.9892	0.9969	0.9799
1.4738	0.9999	0.3557	3.0109	0.9996	0.9965	1.1738	1.0001	0.3572	2.9993	0.9981	0.9821
1.5282	1.0000	0.3553	3.0117	0.9997	0.9965	1.2195	1.0002	0.3565	3.0045	0.9988	0.9843
1.5826	1.0000	0.3552	3.0137	0.9999	0.9977	1.2652	1.0004	0.3563	3.0068	0.9990	0.9852
1.6370	1.0000	0.3552	3.0143	1.0000	0.9980	1.3109	1.0005	0.3560	3.0088	0.9993	0.9861
1.6914	1.0000	0.3548	3.0163	1.0002	0.9988	1.3566	1.0003	0.3557	3.0103	0.9995	0.9867
1.7458	1.0000	0.3546	3.0181	1.0004	0.9996	1.4023	1.0002	0.3552	3.0137	0.9999	0.9881
1.8002	1.0000	0.3542	3.0206	1.0007	1.0006	1.4480	1.0005	0.3548	3.0166	1.0002	0.9993
1.8546	1.0000	0.3540	3.0218	1.0009	1.0011	1.4937	1.0004	0.3545	3.0181	1.0004	0.9999
1.9090	1.0000	0.3535	3.0218	1.0011	0.9997	1.5394	1.0004	0.3542	3.0195	1.0006	1.0005
1.9634	1.0000	0.3535	3.0051	0.9998	0.9941	1.5851	1.0004	0.3541	3.0212	1.0008	1.0012
2.0178	1.0000	0.3536	3.0051	0.9998	0.9941	1.6308	1.0004	0.3538	3.0103	0.9995	0.9967
2.0722	1.0000	0.3535	3.0163	1.0002	0.9988	1.6765	1.0005	0.3535	3.0117	0.9996	0.9972
2.1266	1.0000	0.3535	3.0163	1.0002	0.9988	1.7222	1.0005	0.3535	3.0117	0.9996	0.9972
2.1810	1.0000	0.3535	3.0163	1.0002	0.9988	1.7679	1.0005	0.3535	3.0117	0.9996	0.9972
2.2354	1.0000	0.3535	3.0163	1.0002	0.9988	1.8136	1.0005	0.3535	3.0117	0.9996	0.9972
2.2898	1.0000	0.3535	3.0163	1.0002	0.9988	1.8593	1.0005	0.3535	3.0117	0.9996	0.9972
2.3442	1.0000	0.3535	3.0163	1.0002	0.9988	1.9050	1.0005	0.3535	3.0117	0.9996	0.9972
2.3986	1.0000	0.3535	3.0163	1.0002	0.9988	1.9507	1.0005	0.3535	3.0117	0.9996	0.9972
2.4530	1.0000	0.3535	3.0163	1.0002	0.9988	1.9964	1.0005	0.3535	3.0117	0.9996	0.9972
2.5074	1.0000	0.3535	3.0163	1.0002	0.9988	2.0421	1.0005	0.3535	3.0117	0.9996	0.9972
2.5618	1.0000	0.3535	3.0163	1.0002	0.9988	2.0878	1.0005	0.3535	3.0117	0.9996	0.9972
2.6162	1.0000	0.3535	3.0163	1.0002	0.9988	2.1335	1.0005	0.3535	3.0117	0.9996	0.9972
2.6706	1.0000	0.3535	3.0163	1.0002	0.9988	2.1792	1.0005	0.3535	3.0117	0.9996	0.9972
2.7250	1.0000	0.3535	3.0163	1.0002	0.9988	2.2249	1.0005	0.3535	3.0117	0.9996	0.9972
2.7794	1.0000	0.3535	3.0163	1.0002	0.9988	2.2706	1.0005	0.3535	3.0117	0.9996	0.9972
2.8338	1.0000	0.3535	3.0163	1.0002	0.9988	2.3163	1.0005	0.3535	3.0117	0.9996	0.9972
2.8882	1.0000	0.3535	3.0163	1.0002	0.9988	2.3620	1.0005	0.3535	3.0117	0.9996	0.9972
2.9426	1.0000	0.3535	3.0163	1.0002	0.9988	2.4077	1.0005	0.3535	3.0117	0.9996	0.9972
2.9970	1.0000	0.3535	3.0163	1.0002	0.9988	2.4534	1.0005	0.3535	3.0117	0.9996	0.9972
3.0514	1.0000	0.3535	3.0163	1.0002	0.9988	2.4991	1.0005	0.3535	3.0117	0.9996	0.9972
3.1058	1.0000	0.3535	3.0163	1.0002	0.9988	2.5448	1.0005	0.3535	3.0117	0.9996	0.9972
3.1602	1.0000	0.3535	3.0163	1.0002	0.9988	2.5905	1.0005	0.3535	3.0117	0.9996	0.9972
3.2146	1.0000	0.3535	3.0163	1.0002	0.9988	2.6362	1.0005	0.3535	3.0117	0.9996	0.9972
3.2690	1.0000	0.3535	3.0163	1.0002	0.9988	2.6819	1.0005	0.3535	3.0117	0.9996	0.9972
3.3234	1.0000	0.3535	3.0163	1.0002	0.9988	2.7276	1.0005	0.3535	3.0117	0.9996	0.9972
3.3778	1.0000	0.3535	3.0163	1.0002	0.9988	2.7733	1.0005	0.3535	3.0117	0.9996	0.9972
3.4322	1.0000	0.3535	3.0163	1.0002	0.9988	2.8190	1.0005	0.3535	3.0117	0.9996	0.9972
3.4866	1.0000	0.3535	3.0163	1.0002	0.9988	2.8647	1.0005	0.3535	3.0117	0.9996	0.9972
3.5410	1.0000	0.3535	3.0163	1.0002	0.9988	2.9104	1.0005	0.3535	3.0117	0.9996	0.9972
3.5954	1.0000	0.3535	3.0163	1.0002	0.9988	2.9561	1.0005	0.3535	3.0117	0.9996	0.9972
3.6498	1.0000	0.3535	3.0163	1.0002	0.9988	3.0018	1.0005	0.3535	3.0117	0.9996	0.9972
3.7042	1.0000	0.3535	3.0163	1.0002	0.9988	3.0475	1.0005	0.3535	3.0117	0.9996	0.9972
3.7586	1.0000	0.3535	3.0163	1.0002	0.9988	3.0932	1.0005	0.3535	3.0117	0.9996	0.9972
3.8130	1.0000	0.3535	3.0163	1.0002	0.9988	3.1389	1.0005	0.3535	3.0117	0.9996	0.9972
3.8674	1.0000	0.3535	3.0163	1.0002	0.9988	3.1846	1.0005	0.3535	3.0117	0.9996	0.9972
3.9218	1.0000	0.3535	3.0163	1.0002	0.9988	3.2303	1.0005	0.3535	3.0117	0.9996	0.9972
3.9762	1.0000	0.3535	3.0163	1.0002	0.9988	3.2760	1.0005	0.3535	3.0117	0.9996	0.9972
4.0306	1.0000	0.3535	3.0163	1.0002	0.9988	3.3217	1.0005	0.3535	3.0117	0.9996	0.9972
4.0850	1.0000	0.3535	3.0163	1.0002	0.9988	3.3674	1.0005	0.3535	3.0117	0.9996	0.9972
4.1394	1.0000	0.3535	3.0163	1.0002	0.9988	3.4131	1.0005	0.3535	3.0117	0.9996	0.9972
4.1938	1.0000	0.3535	3.0163	1.0002	0.9988	3.4588	1.0005	0.3535	3.0117	0.9996	0.9972
4.2482	1.0000	0.3535	3.0163	1.0002	0.9988	3.5045	1.0005	0.3535	3.0117	0.9996	0.9972
4.3026	1.0000	0.3535	3.0163	1.0002	0.9988	3.5502	1.0005	0.3535	3.0117	0.9996	0.9972
4.3570	1.0000	0.3535	3.0163	1.0002	0.9988	3.5959	1.0005	0.3535	3.0117	0.9996	0.9972
4.4114	1.0000	0.3535	3.0163	1.0002	0.9988	3.6416	1.0005	0.3535	3.0117	0.9996	0.9972
4.4658	1.0000	0.3535	3.0163	1.0002	0.9988	3.6873	1.0005	0.3535	3.0117	0.9996	0.9972
4.5202	1.0000	0.3535	3.0163	1.0002	0.9988	3.7330	1.0005	0.3535	3.0117	0.9996	0.9972
4.5746	1.0000	0.3535	3.0163	1.0002	0.9988	3.7787	1.0005	0.3535	3.0117	0.9996	0.9972
4.6290	1.0000	0.3535	3.0163	1.0002	0.9988	3.8244	1.0005	0.3535	3.0117	0.9996	0.9972
4.6834	1.0000	0.3535	3.0163	1.0002	0.9988	3.8701	1.0005	0.3535	3.0117	0.9996	0.9972
4.7378	1.0000	0.3535	3.0163	1.0002	0.9988	3.9158	1.0005	0.3535	3.0117	0.9996	0.9972
4.7922	1.0000	0.3535	3.0163	1.0002	0.9988	3.9615	1.0005	0.3535	3.0117	0.9996	0.9972
4.8466	1.0000	0.3535	3.0163	1.0002	0.9988	4.0072	1.0005	0.3535	3.0117	0.9996	0.9972

MACH = 3.00 PO = 298.2 KPA TO = 307.7 K
 ALPHA = 5.28 Z/D = 4.44 PHI = 120.
 RPM = 20000. PW = 6.00 KPA REL = 7276411.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9194	0.9194	0.0000	0.0000	0.3575
0.0037	0.9678	0.7342	1.2613	0.5903	0.4477
0.0082	0.9724	0.6905	1.4272	0.6480	0.4758
0.01357	0.9765	0.6484	1.5906	0.6996	0.5070
0.01680	0.9794	0.6152	1.7206	0.7371	0.5344
0.02467	0.9829	0.5741	1.8869	0.7809	0.5726
0.03104	0.9851	0.5690	1.9930	0.8365	0.5985
0.03785	0.9871	0.5221	2.1104	0.8328	0.6258
0.04452	0.9891	0.4960	2.2294	0.8576	0.6625
0.04985	0.9905	0.4766	2.3220	0.8755	0.6895
0.05759	0.9926	0.4496	2.4572	0.8998	0.7314
0.06319	0.9937	0.4297	2.5616	0.9171	0.7651
0.07106	0.9953	0.4065	2.6891	0.9368	0.8081
0.07765	0.9964	0.3894	2.7516	0.9515	0.8442
0.08342	0.9974	0.3771	2.8678	0.9617	0.8720
0.09148	0.9982	0.3617	2.9659	0.9743	0.9085
0.09791	0.9990	0.3512	3.0371	0.9829	0.9364
0.10516	0.9997	0.3425	3.0944	0.9895	0.9551
0.11142	1.0000	0.3383	3.1274	0.9933	0.9723
0.11830	1.0002	0.3352	3.1492	0.9957	0.9811
0.12541	1.0005	0.3338	3.1602	0.9969	0.9856
0.13251	1.0003	0.3331	3.1648	0.9974	0.9875
0.14657	1.0004	0.3323	3.1702	0.9980	0.9857
0.15987	1.0006	0.3315	3.1741	0.9984	0.9913
0.19604	1.0008	0.3305	3.1847	0.9995	0.9956

DEL = 0.3097 DELL = .0516 DEL** = .1240 CM
 THETA = .02082 M = 5.956 UE = 643.7 M/SEC
 RHOE = 0.2070 KG/M**3 RUN = 4112

MACH = 3.00 PO = 295.3 KPA TO = 307.2 K
 ALPHA = 5.28 Z/D = 4.44 PHI = 120.
 RPM = 0. PW = 6.00 KPA REL = 7295110.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9193	0.9193	0.0000	0.0000	0.3563
0.0048	0.9585	0.8060	0.9729	0.4766	0.4065
0.0095	0.9652	0.7590	1.1652	0.5540	0.4316
0.0042	0.9687	0.7286	1.2835	0.5978	0.4457
0.01023	0.9732	0.6957	1.4476	0.6542	0.4778
0.01482	0.9771	0.6442	1.6074	0.7040	0.5086
0.02021	0.9800	0.6138	1.7272	0.7384	0.5335
0.02667	0.9816	0.5926	1.8116	0.7610	0.5529
0.02973	0.9839	0.5632	1.9247	0.7896	0.5757
0.03681	0.9853	0.5453	2.0086	0.8095	0.6007
0.03835	0.9868	0.5287	2.0813	0.8258	0.6157
0.04428	0.9887	0.5050	2.1886	0.8486	0.6450
0.04924	0.9899	0.4888	2.2639	0.8637	0.6704
0.05434	0.9913	0.4691	2.3595	0.8817	0.6986
0.05845	0.9925	0.4541	2.4350	0.8952	0.7218
0.06450	0.9939	0.4320	2.5501	0.9146	0.7586
0.0717	0.9949	0.4174	2.6302	0.9272	0.7851
0.07328	0.9957	0.4076	2.6857	0.9355	0.8041
0.07889	0.9964	0.3936	2.7671	0.9473	0.8325
0.08450	0.9976	0.3779	2.8633	0.9604	0.8673
0.09221	0.9986	0.3625	2.9593	0.9727	0.9021
0.09826	0.9994	0.3496	3.0487	0.9835	0.9376
0.10517	0.9998	0.3425	3.0947	0.9888	0.9557
0.11230	1.0001	0.3381	3.1298	0.9926	0.9653
0.11924	1.0003	0.3346	3.1538	0.9954	0.9754
0.12640	1.0007	0.3325	3.1697	0.9971	0.9859
0.13292	1.0009	0.3315	3.1747	0.9977	0.9875
0.14794	1.0007	0.3305	3.1816	0.9984	0.9908
0.16071	1.0009	0.3305	3.1818	0.9984	0.9908
0.19781	1.0010	0.3293	3.1937	0.9997	0.9957

DEL = 0.3072 DELL = .0519 DEL** = .1271 CM
 THETA = .02171 M = 5.856 UE = 643.9 M/SEC
 RHOE = 0.2082 KG/M**3 RUN = 4111

MACH = 3.00	PO = 298.1 KPA	TO = 305.5 K	MACH = 3.00	PO = 297.5 KPA	TO = 306.1 K
ALPHA = 5.28	Z/D = 4.44	PHI = 150.	ALPHA = 5.28	Z/D = 4.44	PHI = 150.
RPP = 0.	PW = 6.51 KPA	REL = 7331366.	PW = 6.51 KPA	PW = 6.51 KPA	REL = 7322255.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.3000	0.9205	0.9205	0.0000	0.0000	0.3674
0.3171	0.9564	0.9286	0.8780	0.4394	0.4075
0.3505	0.9653	0.7655	1.1423	0.5494	0.4412
0.3951	0.9704	0.7170	1.3293	0.6189	0.4705
0.1401	0.9738	0.6878	1.4420	0.6574	0.4511
0.1854	0.9764	0.6593	1.5508	0.6922	0.5123
0.2243	0.9783	0.6360	1.6404	0.7193	0.5309
0.2742	0.9806	0.6115	1.7373	0.7469	0.5523
0.3205	0.9825	0.5896	1.8251	0.7705	0.5727
0.3644	0.9840	0.5689	1.9100	0.7921	0.5925
0.4141	0.9859	0.5468	2.0040	0.8146	0.6177
0.4585	0.9876	0.5265	2.0925	0.8347	0.6415
0.5062	0.9892	0.5053	2.1880	0.8550	0.6684
0.5377	0.9904	0.4869	2.2739	0.8723	0.6926
0.5978	0.9916	0.4695	2.3584	0.8883	0.7194
0.6466	0.9929	0.4505	2.4518	0.9050	0.7451
0.6926	0.9941	0.4358	2.5308	0.9184	0.7750
0.7446	0.9945	0.4204	2.6141	0.9318	0.8033
0.7995	0.9961	0.4060	2.6956	0.9442	0.8315
0.8372	0.9971	0.3934	2.7700	0.9550	0.8588
0.8895	0.9976	0.3820	2.8386	0.9644	0.8842
0.9446	0.9982	0.3693	2.9178	0.9749	0.9144
0.9796	0.9993	0.3521	3.0316	0.9890	0.9551
1.0380	1.0000	0.3467	3.0694	0.9934	0.9744
1.1260	1.0000	0.3432	3.0932	0.9962	0.9841
1.1791	1.0004	0.3405	3.1102	0.9981	0.9910
1.2323	1.0003	0.3396	3.1186	0.9991	0.9945
1.2799	1.0005	0.3388	3.1249	0.9998	0.9971
1.3803	1.0005	0.3383	3.1288	1.0002	0.9987
1.4950	1.0006	0.3381	3.1300	1.0004	0.9992
1.6326	1.0006	0.3380	3.1304	1.0004	0.9994
1.8761	1.0007	0.3381	3.1304	1.0004	0.9994

DEL = 0.4458	DELL = 0.816	DEL** = 0.1916 CM
THETA = 0.3371	M = 5.685	UE = 637.7 M/SEC
RHOE = 0.2203 KG/M**3		RUN = 4103

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9206	0.9206	0.0000	0.0000	0.3674
0.0354	0.9456	0.7606	1.1609	0.5567	0.4447
0.0625	0.9675	0.7405	1.2393	0.5863	0.4568
0.0963	0.9720	0.7025	1.3850	0.6382	0.4815
0.1492	0.9754	0.6675	1.5187	0.6822	0.5067
0.1903	0.9775	0.6411	1.6208	0.7135	0.5276
0.2344	0.9802	0.6144	1.7255	0.7436	0.5505
0.2787	0.9819	0.5944	1.8056	0.7654	0.5651
0.3290	0.9838	0.5718	1.8978	0.7891	0.5915
0.3740	0.9854	0.5510	1.9856	0.8104	0.6159
0.4222	0.9870	0.5297	2.0776	0.8314	0.6385
0.4707	0.9886	0.5095	2.1684	0.8510	0.6635
0.5167	0.9900	0.4890	2.2634	0.8702	0.6916
0.5636	0.9913	0.4711	2.3496	0.8867	0.7179
0.6136	0.9926	0.4545	2.4310	0.9014	0.7426
0.6637	0.9936	0.4381	2.5177	0.9163	0.7720
0.7135	0.9948	0.4232	2.5987	0.9294	0.7954
0.7643	0.9957	0.4097	2.6743	0.9410	0.8257
0.8118	0.9965	0.3962	2.7524	0.9525	0.8538
0.8624	0.9973	0.3850	2.8199	0.9619	0.8787
0.9101	0.9977	0.3750	2.8817	0.9702	0.9020
0.9607	0.9984	0.3638	2.9531	0.9794	0.9256
1.0055	0.9991	0.3561	3.0045	0.9857	0.9455
1.0624	0.9997	0.3495	3.0473	0.9909	0.9671
1.1121	0.9998	0.3440	3.0871	0.9955	0.9833
1.1615	1.0000	0.3413	3.1065	0.9977	0.9912
1.2132	0.9999	0.3395	3.1162	0.9988	0.9952
1.2650	1.0001	0.3394	3.1196	0.9992	0.9966
1.3165	1.0000	0.3391	3.1215	0.9994	0.9974
1.4165	1.0000	0.3388	3.1238	0.9997	0.9983
1.5222	1.0002	0.3386	3.1255	0.9999	0.9999
1.6743	1.0002	0.3386	3.1254	0.9999	0.9999
1.9243	1.0002	0.3384	3.1270	1.0001	0.9957

DEL = 0.4343	DELL = 0.781	DEL** = 0.1809 CM
THETA = 0.3135	M = 5.770	UE = 637.8 M/SEC
RHOE = 0.2198 KG/M**3		RUN = 4104

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 298.5 KPA Z/D = 4.44 PW = 6.72 KPA				TO = 304.5 K PHI = 170. REL = 7376761.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9208	0.9208	0.0000	0.0000	0.3652	0.0000	0.9208	0.9208	0.0000	0.0000	0.3654
0.0374	0.9655	0.7626	1.1533	0.5548	0.4458	0.0706	0.9697	0.7258	1.2962	0.6082	0.4687
0.0732	0.9706	0.7174	1.3283	0.6198	0.4739	0.1090	0.9732	0.6928	1.4223	0.6520	0.4910
0.1055	0.9737	0.6876	1.4421	0.6588	0.4944	0.1466	0.9758	0.6672	1.5210	0.6841	0.5100
0.1391	0.9760	0.6638	1.5333	0.6882	0.5121	0.1796	0.9777	0.6454	1.6044	0.7098	0.5271
0.1734	0.9781	0.6411	1.6211	0.7150	0.5303	0.2183	0.9795	0.6250	1.6840	0.7332	0.5442
0.2114	0.9800	0.6215	1.6981	0.7374	0.5471	0.2597	0.9814	0.6046	1.7654	0.7559	0.5628
0.2484	0.9816	0.6025	1.7737	0.7583	0.5644	0.2956	0.9828	0.5860	1.8401	0.7757	0.5806
0.2836	0.9828	0.5860	1.8398	0.7758	0.5801	0.3285	0.9841	0.5697	1.9069	0.7927	0.5971
0.3222	0.9845	0.5674	1.9171	0.7954	0.5953	0.3718	0.9860	0.5483	1.9977	0.8146	0.6206
0.3565	0.9858	0.5487	1.9958	0.8143	0.6156	0.4051	0.9884	0.5331	2.0629	0.8295	0.6381
0.3950	0.9874	0.5321	2.0685	0.8310	0.6352	0.4455	0.9884	0.5160	2.1393	0.8463	0.6594
0.4357	0.9885	0.5151	2.1436	0.8474	0.6501	0.4851	0.9894	0.4999	2.2129	0.8616	0.6806
0.4721	0.9897	0.5012	2.2074	0.8607	0.6785	0.5249	0.9905	0.4845	2.2832	0.8756	0.7016
0.5076	0.9907	0.4866	2.2761	0.8744	0.6950	0.5633	0.9912	0.4717	2.3476	0.8879	0.7214
0.5461	0.9915	0.4732	2.3403	0.8867	0.7186	0.5981	0.9922	0.4603	2.4037	0.8981	0.7351
0.5860	0.9926	0.4605	2.4034	0.8983	0.7385	0.6424	0.9933	0.4468	2.4733	0.9103	0.7616
0.6237	0.9934	0.4486	2.4640	0.9090	0.7581	0.6775	0.9940	0.4368	2.5256	0.9192	0.7790
0.7016	0.9951	0.4264	2.5823	0.9286	0.7977	0.7222	0.9948	0.4245	2.5917	0.9299	0.8015
0.7454	0.9958	0.4151	2.6449	0.9384	0.8155	0.7646	0.9956	0.4124	2.6590	0.9403	0.8250
0.7858	0.9964	0.4062	2.6954	0.9460	0.8374	0.8059	0.9965	0.4022	2.7180	0.9491	0.8461
0.8238	0.9970	0.3968	2.7503	0.9540	0.8573	0.8473	0.9965	0.3920	2.7779	0.9577	0.8681
0.8571	0.9976	0.3895	2.7915	0.9599	0.8725	0.8886	0.9977	0.3830	2.8329	0.9653	0.8886
0.8938	0.9981	0.3800	2.8516	0.9681	0.8951	0.9228	0.9980	0.3750	2.8820	0.9719	0.9073
0.9415	0.9988	0.3716	2.9053	0.9752	0.9157	0.9680	0.9985	0.3650	2.9456	0.9801	0.9320
0.9839	0.9994	0.3627	2.9623	0.9824	0.9375	1.0097	0.9991	0.3574	2.9562	0.9864	0.9520
1.0224	0.9996	0.3554	3.0108	0.9884	0.9572	1.0504	0.9994	0.3508	3.0402	0.9917	0.9697
1.0659	1.0001	0.3486	3.0566	0.9939	0.9757	1.0912	1.0001	0.3457	3.0762	0.9959	0.9844
1.1047	1.0005	0.3444	3.0865	0.9974	0.9879	1.1308	1.0000	0.3427	3.0970	0.9983	0.9925
1.1436	1.0006	0.3420	3.1030	0.9993	0.9948	1.1706	1.0000	0.3401	3.1091	0.9997	0.9979
1.1847	1.0007	0.3408	3.1117	1.0003	0.9984	1.2101	1.0002	0.3401	3.1149	1.0004	1.0003
1.2255	1.0009	0.3403	3.1157	1.0007	1.0000	1.2559	1.0004	0.3399	3.1171	1.0006	1.0013
1.3137	1.0010	0.3400	3.1179	1.0010	1.0009	1.3445	1.0002	0.3398	3.1171	1.0006	1.0013
1.4363	1.0008	0.3395	3.1179	1.0010	1.0009	1.4650	1.0004	0.3401	3.1158	1.0005	1.0007
1.6311	1.0009	0.3401	3.1170	1.0009	1.0005	1.6728	1.0004	0.3403	3.1145	1.0003	1.0002

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 298.7 KPA Z/D = 4.44 PW = 6.72 KPA				TO = 304.8 K PHI = 170. REL = 7394083.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9208	0.9208	0.0000	0.0000	0.3652	0.0000	0.9208	0.9208	0.0000	0.0000	0.3654
0.0374	0.9655	0.7626	1.1533	0.5548	0.4458	0.0706	0.9697	0.7258	1.2962	0.6082	0.4687
0.0732	0.9706	0.7174	1.3283	0.6198	0.4739	0.1090	0.9732	0.6928	1.4223	0.6520	0.4910
0.1055	0.9737	0.6876	1.4421	0.6588	0.4944	0.1466	0.9758	0.6672	1.5210	0.6841	0.5100
0.1391	0.9760	0.6638	1.5333	0.6882	0.5121	0.1796	0.9777	0.6454	1.6044	0.7098	0.5271
0.1734	0.9781	0.6411	1.6211	0.7150	0.5303	0.2183	0.9795	0.6250	1.6840	0.7332	0.5442
0.2114	0.9800	0.6215	1.6981	0.7374	0.5471	0.2597	0.9814	0.6046	1.7654	0.7559	0.5628
0.2484	0.9816	0.6025	1.7737	0.7583	0.5644	0.2956	0.9828	0.5860	1.8401	0.7757	0.5806
0.2836	0.9828	0.5860	1.8398	0.7758	0.5801	0.3285	0.9841	0.5697	1.9069	0.7927	0.5971
0.3222	0.9845	0.5674	1.9171	0.7954	0.5953	0.3718	0.9860	0.5483	1.9977	0.8146	0.6206
0.3565	0.9858	0.5487	1.9958	0.8143	0.6156	0.4051	0.9884	0.5331	2.0629	0.8295	0.6381
0.3950	0.9874	0.5321	2.0685	0.8310	0.6352	0.4455	0.9884	0.5160	2.1393	0.8463	0.6594
0.4357	0.9885	0.5151	2.1436	0.8474	0.6501	0.4851	0.9894	0.4999	2.2129	0.8616	0.6806
0.4721	0.9897	0.5012	2.2074	0.8607	0.6785	0.5249	0.9905	0.4845	2.2832	0.8756	0.7016
0.5076	0.9907	0.4866	2.2761	0.8744	0.6950	0.5633	0.9912	0.4717	2.3476	0.8879	0.7214
0.5461	0.9915	0.4732	2.3403	0.8867	0.7186	0.5981	0.9922	0.4603	2.4037	0.8981	0.7351
0.5860	0.9926	0.4605	2.4034	0.8983	0.7385	0.6424	0.9933	0.4468	2.4733	0.9103	0.7616
0.6237	0.9934	0.4486	2.4640	0.9090	0.7581	0.6775	0.9940	0.4368	2.5256	0.9192	0.7790
0.7016	0.9951	0.4264	2.5823	0.9286	0.7977	0.7222	0.9948	0.4245	2.5917	0.9299	0.8015
0.7454	0.9958	0.4151	2.6449	0.9384	0.8155	0.7646	0.9956	0.4124	2.6590	0.9403	0.8250
0.7858	0.9964	0.4062	2.6954	0.9460	0.8374	0.8059	0.9965	0.4022	2.7180	0.9491	0.8461
0.8238	0.9970	0.3968	2.7503	0.9540	0.8573	0.8473	0.9965	0.3920	2.7779	0.9577	0.8681
0.8571	0.9976	0.3895	2.7915	0.9599	0.8725	0.8886	0.9977	0.3830	2.8329	0.9653	0.8886
0.8938	0.9981	0.3800	2.8516	0.9681	0.8951	0.9228	0.9980	0.3750	2.8820	0.9719	0.9073
0.9415	0.9988	0.3716	2.9053	0.9752	0.9157	0.9680	0.9985	0.3650	2.9456	0.9801	0.9320
0.9839	0.9994	0.3627	2.9623	0.9824	0.9375	1.0097	0.9991	0.3574	2.9562	0.9864	0.9520
1.0224	0.9996	0.3554	3.0108	0.9884	0.9572	1.0504	0.9994	0.3508	3.0402	0.9917	0.9697
1.0659	1.0001	0.3486	3.0566	0.9939	0.9757	1.0912	1.0001	0.3457	3.0762	0.9959	0.9844
1.1047	1.0005	0.3444	3.0865	0.9974	0.9879	1.1308	1.0000	0.3427	3.0970	0.9983	0.9925
1.1436	1.0006	0.3420	3.1030	0.9993	0.9948	1.1706	1.0000	0.3401	3.1091	0.9997	0.9979
1.1847	1.0007	0.3408	3.1117	1.0003	0.9984	1.2101	1.0002	0.3401	3.1149	1.0004	1.0003
1.2255	1.0009	0.3403	3.1157	1.0007	1.0000	1.2559	1.0004	0.3399	3.1171	1.0006	1.0013
1.3137	1.0010	0.3400	3.1179	1.0010	1.0009	1.3445	1.0002	0.3398	3.1171	1.0006	1.0013
1.4363	1.0008	0.3395	3.1179	1.0010	1.0009	1.4650	1.0004	0.3401	3.1158	1.0005	1.0007
1.6311	1.0009	0.3401	3.1170	1.0009	1.0005	1.6728	1.0004	0.3403	3.1145	1.0003	1.0002

MACH = 3.00 ALPHA = 5.28 RPM = 2000.				PO = 298.5 KPA Z/D = 4.44 PW = 6.72 KPA				TO = 304.5 K PHI = 170. REL = 7376761.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0030	0.9208	0.9208	0.0000	0.0000	0.3652	0.0000	0.9208	0.9208	0.0000	0.0000	0.3654
0.0374	0.9655	0.7626	1.1533	0.5548	0.4458	0.0706	0.9697	0.7258	1.2962	0.6082	0.4687
0.0732	0.9706	0.7174	1.3283	0.6198	0.4739	0.1090	0.9732	0.6928	1.4223	0.6520	0.4910
0.1055	0.9737	0.6876	1.4421	0.6588	0.4944	0.1466	0.9758	0.6672	1.5210	0.6841	0.5100
0.1391	0.9760	0.6638	1.5333	0.6882	0.5121	0.1796	0.9777	0.6454	1.6044	0.7098	0.5271
0.1734	0.9781	0.6411	1.6211	0.7150	0.5303	0.2183	0.9795	0.6250	1.6840	0.7332	0.5442
0.2114	0.9800	0.6215	1.6981	0.7374	0.5471	0.2597	0.9814	0.6046	1.7654	0.7559	0.5628
0.2484	0.9816	0.6025	1.7737	0.7583	0.5644	0.2956	0.9828	0.5860	1.8401	0.7757	0.5806
0.2836	0.9828	0.5860	1.8398	0.7758	0.5801	0.3285	0.9841	0.5697	1.9069	0.7927	0.5971
0.3222	0.9845	0.5674	1.9171	0.7954	0.5953	0.3718	0.9860	0.5483	1.9977	0.8146	0.6206
0.3565	0.9858	0.5487	1.9958	0.8143	0.6156	0.4051	0.9884	0.5331	2.0629	0.8295	0.6381
0.3950	0.9874	0.5321	2.0685	0.8310	0.6352	0.4455	0.9884	0.5160	2.1393	0.8463	0.6594
0.4357	0.9885	0.5151	2.1436	0.8474	0.6501	0.4851	0.9894	0.4999	2.2129	0.8616	0.6806
0.4721	0.9897	0.5012	2.2074	0.8607	0.6785	0.5249	0.9905	0.4845	2.2832	0.8756	0.7016
0.5076	0.9907	0.4866	2.2761	0.8744	0.6950	0.5633					

MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 297.9 KPA Z/D = 4.44 PW = 6.73 KPA				TO = 306.5 K PHI = 180. REL = 7296432.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9209	0.0000	0.0000	0.3701	0.0000	0.9209	0.9209	0.0000	0.0000	0.3701
0.0030	0.9659	0.7621	1.1561	0.5563	0.4473	0.0079	0.9688	0.7362	1.2568	0.5942	0.4630
0.0382	0.9677	0.7448	1.2234	0.5820	0.4576	0.0651	0.9700	0.7242	1.3037	0.6109	0.4706
0.0525	0.9716	0.7089	1.3610	0.6317	0.4808	0.0864	0.9720	0.7047	1.3773	0.6371	0.4837
0.0792	0.9748	0.6767	1.4841	0.6729	0.5037	0.1214	0.9751	0.6736	1.4961	0.6766	0.5060
0.1187	0.9772	0.6518	1.5797	0.7030	0.5229	0.1526	0.9773	0.6500	1.5868	0.7050	0.5244
0.1544	0.9790	0.6308	1.6614	0.7273	0.5403	0.1862	0.9791	0.6299	1.6651	0.7282	0.5411
0.1884	0.9808	0.6108	1.7402	0.7497	0.5580	0.2276	0.9811	0.6067	1.7366	0.7540	0.5618
0.2249	0.9824	0.5917	1.8168	0.7704	0.5760	0.2635	0.9827	0.5881	1.8314	0.7740	0.5755
0.2622	0.9840	0.5720	1.8977	0.7911	0.5955	0.2964	0.9841	0.5702	1.9050	0.7927	0.5977
0.2995	0.9854	0.5571	1.9604	0.8065	0.6115	0.3361	0.9859	0.5494	1.9930	0.8140	0.6204
0.3334	0.9866	0.5386	2.0332	0.8249	0.6328	0.3717	0.9869	0.5340	2.0591	0.8292	0.6382
0.3761	0.9880	0.5221	2.1123	0.8412	0.6529	0.4097	0.9883	0.5161	2.1386	0.8467	0.6603
0.4100	0.9889	0.5072	2.1793	0.8555	0.6720	0.4465	0.9896	0.5010	2.2084	0.8612	0.6805
0.4488	0.9903	0.4916	2.2523	0.8703	0.6925	0.4855	0.9904	0.4863	2.2767	0.8749	0.7005
0.4885	0.9912	0.4782	2.3153	0.8826	0.7127	0.5198	0.9914	0.4730	2.3408	0.8871	0.7205
0.5259	0.9921	0.4650	2.3806	0.8948	0.7330	0.5623	0.9925	0.4597	2.4070	0.8993	0.7415
0.5666	0.9931	0.4537	2.4380	0.9050	0.7515	0.6006	0.9930	0.4491	2.4608	0.9088	0.7585
0.6041	0.9935	0.4421	2.4979	0.9154	0.7712	0.6349	0.9940	0.4382	2.5181	0.9185	0.7775
0.6424	0.9946	0.4316	2.5540	0.9247	0.7900	0.6788	0.9947	0.4272	2.5774	0.9282	0.7980
0.6796	0.9954	0.4200	2.6171	0.9347	0.8118	0.7180	0.9954	0.4167	2.6350	0.9372	0.8180
0.7225	0.9960	0.4102	2.6719	0.9432	0.8311	0.7562	0.9961	0.4080	2.6849	0.9448	0.8357
0.7615	0.9966	0.4008	2.7261	0.9512	0.8506	0.7956	0.9967	0.3991	2.7365	0.9524	0.8544
0.8013	0.9972	0.3914	2.7822	0.9592	0.8712	0.8375	0.9973	0.3902	2.7892	0.9599	0.8738
0.8413	0.9978	0.3822	2.8379	0.9669	0.8921	0.8755	0.9976	0.3826	2.8352	0.9663	0.8911
0.8826	0.9985	0.3746	2.8859	0.9733	0.9104	0.9155	0.9981	0.3746	2.8847	0.9729	0.9100
0.9251	0.9990	0.3663	2.9388	0.9801	0.9310	0.9552	0.9987	0.3604	2.9300	0.9787	0.9275
0.9655	0.9995	0.3593	2.9850	0.9859	0.9452	0.9961	0.9988	0.3545	2.9758	0.9845	0.9456
1.0067	0.9998	0.3536	3.0231	0.9906	0.9645	1.0360	0.9994	0.3494	3.0158	0.9894	0.9616
1.0434	1.0001	0.3486	3.0568	0.9946	0.9782	1.0760	0.9995	0.3461	3.0503	0.9935	0.9756
1.0851	1.0003	0.3448	3.0832	0.9977	0.9850	1.1125	0.9999	0.3461	3.0733	0.9962	0.9850
1.1269	1.0005	0.3425	3.1078	0.9995	0.9956	1.1589	1.0001	0.3434	3.0919	0.9984	0.9926
1.1640	1.0007	0.3413	3.1278	1.0005	0.9992	1.2006	1.0001	0.3420	3.1022	0.9996	0.9965
1.2110	1.0008	0.3406	3.1430	1.0011	1.0011	1.2412	1.0004	0.3413	3.1104	1.0002	0.9990
1.2594	1.0008	0.3403	3.1549	1.0013	1.0022	1.2803	1.0006	0.3405	3.1166	1.0005	1.0004
1.2954	1.0008	0.3403	3.1656	1.0014	1.0024	1.3636	1.0006	0.3407	3.1116	1.0006	1.0008
1.3387	1.0008	0.3402	3.1756	1.0014	1.0024	1.4491	1.0006	0.3405	3.1132	1.0006	1.0014
1.3818	1.0008	0.3402	3.1856	1.0013	1.0023	1.5701	1.0008	0.3405	3.1113	1.0006	1.0007
1.4184	1.0008	0.3403	3.1953	1.0013	1.0023	1.7348	1.0008	0.3405	3.1113	1.0006	1.0007
						1.9330	1.0006	0.3410	3.1101	1.0005	1.0002

MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 298.1 KPA Z/D = 4.44 PW = 6.73 KPA				TO = 306.7 K PHI = 180. REL = 7307472.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9209	0.0000	0.0000	0.3701	0.0000	0.9209	0.9209	0.0000	0.0000	0.3701
0.0030	0.9659	0.7621	1.1561	0.5563	0.4473	0.0079	0.9688	0.7362	1.2568	0.5942	0.4630
0.0382	0.9677	0.7448	1.2234	0.5820	0.4576	0.0651	0.9700	0.7242	1.3037	0.6109	0.4706
0.0525	0.9716	0.7089	1.3610	0.6317	0.4808	0.0864	0.9720	0.7047	1.3773	0.6371	0.4837
0.0792	0.9748	0.6767	1.4841	0.6729	0.5037	0.1214	0.9751	0.6736	1.4961	0.6766	0.5060
0.1187	0.9772	0.6518	1.5797	0.7030	0.5229	0.1526	0.9773	0.6500	1.5868	0.7050	0.5244
0.1544	0.9790	0.6308	1.6614	0.7273	0.5403	0.1862	0.9791	0.6299	1.6651	0.7282	0.5411
0.1884	0.9808	0.6108	1.7402	0.7497	0.5580	0.2276	0.9811	0.6067	1.7366	0.7540	0.5618
0.2249	0.9824	0.5917	1.8168	0.7704	0.5760	0.2635	0.9827	0.5881	1.8314	0.7740	0.5755
0.2622	0.9840	0.5720	1.8977	0.7911	0.5955	0.2964	0.9841	0.5702	1.9050	0.7927	0.5977
0.2995	0.9854	0.5571	1.9604	0.8065	0.6115	0.3361	0.9859	0.5494	1.9930	0.8140	0.6204
0.3334	0.9866	0.5386	2.0332	0.8249	0.6328	0.3717	0.9869	0.5340	2.0591	0.8292	0.6382
0.3761	0.9880	0.5221	2.1123	0.8412	0.6529	0.4097	0.9883	0.5161	2.1386	0.8467	0.6603
0.4100	0.9889	0.5072	2.1793	0.8555	0.6720	0.4465	0.9896	0.5010	2.2084	0.8612	0.6805
0.4488	0.9903	0.4916	2.2523	0.8703	0.6925	0.4855	0.9904	0.4863	2.2767	0.8749	0.7005
0.4885	0.9912	0.4782	2.3153	0.8826	0.7127	0.5198	0.9914	0.4730	2.3408	0.8871	0.7205
0.5259	0.9921	0.4650	2.3806	0.8948	0.7330	0.5623	0.9925	0.4597	2.4070	0.8993	0.7415
0.5666	0.9931	0.4537	2.4380	0.9050	0.7515	0.6006	0.9930	0.4491	2.4608	0.9088	0.7585
0.6041	0.9935	0.4421	2.4979	0.9154	0.7712	0.6349	0.9940	0.4382	2.5181	0.9185	0.7775
0.6424	0.9946	0.4316	2.5540	0.9247	0.7900	0.6788	0.9947	0.4272	2.5774	0.9282	0.7980
0.6796	0.9954	0.4200	2.6171	0.9347	0.8118	0.7180	0.9954	0.4167	2.6350	0.9372	0.8180
0.7225	0.9960	0.4102	2.6719	0.9432	0.8311	0.7562	0.9961	0.4080	2.6849	0.9448	0.8357
0.7615	0.9966	0.4008	2.7261	0.9512	0.8506	0.7956	0.9967	0.3991	2.7365	0.9524	0.8544
0.8013	0.9972	0.3914	2.7822	0.9592	0.8712	0.8375	0.9973	0.3902	2.7892	0.9599	0.8738
0.8413	0.9978	0.3822	2.8379	0.9669	0.8921	0.8755	0.9976	0.3826	2.8352	0.9663	0.8911
0.8826	0.9985	0.3746	2.8859	0.9733	0.9104	0.9155	0.9981	0.3746	2.8847	0.9729	0.9100
0.9251	0.9990	0.3663	2.9388	0.9801	0.9310	0.9552	0.9987	0.3604	2.9300	0.9787	0.9275
0.9655	0.9995	0.3593	2.9850	0.9859	0.9452	0.9961	0.9988	0.3545	2.9758	0.9845	0.9456
1.0067	0.9998	0.3536	3.0231	0.9906	0.9645	1.0360	0.9994	0.3494	3.0158	0.9894	0.9616
1.0434	1.0001	0.3486	3.0568	0.9946	0.9782	1.0760	0.9995	0.3461	3.0503	0.9935	0.9756
1.0851	1.0003	0.3448	3.0832	0.9977	0.9850	1.1125	0.9999	0.3461	3.0733	0.9962	0.9850
1.1269	1.0005	0.3425	3.1078	0.9995	0.9956	1.1589	1.0001	0.3434	3.0919	0.9984	0.9926
1.1640	1.0007	0.3413	3.1278	1.0005	0.9992	1.2006	1.0001	0.3420	3.1022	0.9996	0.9965
1.2110	1.0008	0.3406	3.1430	1.0011	1.0011	1.2412	1.0004	0.3413	3.1104	1.0002	0.9990
1.2594	1.0008	0.3403	3.1549	1.0013	1.0022	1.2803	1.0006	0.3405	3.1166	1.0005	1.0004
1.2954	1.0008	0.3403	3.1656	1.0014	1.0024	1.3636	1.0006	0.3407	3.1116	1.0006	1.0008
1.3387	1.0008	0.3402	3.1756	1.0014	1.0024	1.4491	1.0006	0.3405	3.1132	1.0006	1.0014
1.3818	1.0008	0.3402	3.1856	1.0013	1.0023	1.5701	1.0008	0.3405	3.1113	1.0006	1.0007
1.4184	1.0008	0.3403	3.1953	1.0013	1.0023	1.7348	1.0008	0.3405	3.1113	1.0006	1.0007
						1.9330	1.0006	0.3410	3.1101	1.0005	1.0002

MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 297.9 KPA Z/D = 4.44 PW = 6.73 KPA				TO = 306.5 K PHI = 180. REL = 7296432.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9209	0.0000	0.0000	0.3701	0.0000	0.9209	0.9209	0.0000	0.0000	0.3701
0.0030	0.9659	0.7621	1.1561	0.5563	0.4473	0.0079	0.9688	0.7362	1.2568	0.5942	0.4630
0.0382	0.9677	0.7448	1.2234	0.5820	0.4576	0.0651	0.9700	0.7242	1.3037	0.6109	0.4706
0.0525	0.9716	0.7089	1.3610	0.6317	0.4808	0.0864	0.9720	0.7047	1.3773	0.6371	0.4837
0.0792	0.9748	0.6767	1.4841	0.6729	0.5037	0.1214	0.9751	0.6736	1.4961	0.6766	0.5060
0.1187	0.9772										

MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 297.9 KPA Z/D = 4.44 PW = 6.71 KPA				TO = 309.3 K PHI = 190. REL = 7207847.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.003C	0.9209	0.9209	0.0000	0.0700	0.3702	0.0000	0.9209	0.9209	0.0000	0.0000	0.3701
0.0147	0.9616	0.7953	1.0227	0.5927	0.4288	0.0397	0.9674	0.7469	1.2152	0.5786	0.4564
0.0319	0.9662	0.7589	1.1688	0.5612	0.4454	0.0620	0.9703	0.7206	1.3165	0.6157	0.4730
0.0589	0.9702	0.7257	1.2578	0.6093	0.4700	0.093C	0.9730	0.6949	1.4146	0.6497	0.4905
0.095C	0.9729	0.6976	1.4048	0.6467	0.4885	0.1275	0.9754	0.6704	1.5081	0.6804	0.5084
0.1336	0.9757	0.6697	1.5115	0.6827	0.5052	0.1684	0.9779	0.6457	1.6039	0.7100	0.5280
0.1720	0.9780	0.6471	1.5988	0.7088	0.5271	0.2075	0.9794	0.6261	1.6797	0.7323	0.5444
0.2119	0.9798	0.6263	1.6798	0.7326	0.5446	0.2412	0.9810	0.6084	1.7497	0.7520	0.5602
0.2497	0.9815	0.6065	1.7582	0.7546	0.5624	0.2831	0.9826	0.5883	1.8206	0.7736	0.5753
0.2890	0.9830	0.5868	1.8374	0.7757	0.5812	0.3218	0.9842	0.5716	1.8958	0.7913	0.5964
0.3286	0.9847	0.5699	1.9175	0.7935	0.5986	0.3528	0.9852	0.5567	1.9615	0.8064	0.6122
0.3650	0.9858	0.5533	1.9772	0.8105	0.6165	0.3944	0.9867	0.5389	2.0383	0.8244	0.6326
0.4035	0.9871	0.5366	2.0489	0.8271	0.6357	0.4362	0.9882	0.5219	2.1136	0.8412	0.6532
0.4407	0.9883	0.5207	2.1189	0.8426	0.6551	0.4738	0.9891	0.5074	2.1788	0.8550	0.6719
0.4862	0.9893	0.5042	2.1937	0.8585	0.6765	0.5115	0.9902	0.4925	2.2475	0.8690	0.6921
0.5235	0.9906	0.4890	2.2649	0.8728	0.6976	0.5525	0.9911	0.4791	2.3117	0.8815	0.7116
0.5679	0.9917	0.4741	2.3363	0.8865	0.7195	0.5936	0.9921	0.4651	2.3802	0.8943	0.7329
0.6049	0.9926	0.4611	2.4006	0.8984	0.7357	0.6322	0.9928	0.4525	2.4435	0.9056	0.7533
0.6457	0.9934	0.4487	2.4636	0.9095	0.7601	0.6748	0.9940	0.4401	2.5085	0.9168	0.7747
0.6903	0.9943	0.4355	2.5307	0.9208	0.7825	0.7125	0.9946	0.4287	2.5690	0.9267	0.7952
0.7263	0.9952	0.4245	2.5908	0.9306	0.8030	0.7576	0.9956	0.4167	2.6357	0.9372	0.8182
0.7649	0.9959	0.4151	2.6451	0.9390	0.8220	0.7980	0.9960	0.4065	2.6928	0.9459	0.8386
0.8136	0.9965	0.4030	2.7137	0.9493	0.8465	0.8384	0.9969	0.3966	2.7511	0.9544	0.8558
0.8536	0.9971	0.3928	2.7735	0.9580	0.8684	0.8738	0.9974	0.3877	2.8042	0.9619	0.8754
0.8898	0.9979	0.3840	2.8274	0.9654	0.8885	0.9168	0.9981	0.3781	2.8635	0.9699	0.9019
0.9349	0.9983	0.3742	2.8880	0.9736	0.9117	0.9537	0.9983	0.3688	2.9212	0.9775	0.9241
0.9827	0.9990	0.3635	2.9540	0.9820	0.9374	0.9982	0.9990	0.3601	2.9787	0.9847	0.9468
1.0256	0.9996	0.3561	3.0061	0.9885	0.9581	1.0391	0.9996	0.3528	3.0275	0.9907	0.9663
1.0636	0.9999	0.3491	3.0528	0.9941	0.9770	1.0801	0.9998	0.3465	3.0677	0.9954	0.9827
1.1030	1.0004	0.3446	3.0848	0.9978	0.9901	1.1250	1.0000	0.3433	3.0925	0.9983	0.9929
1.1450	1.0005	0.3422	3.1014	0.9997	0.9970	1.1626	1.0003	0.3416	3.1048	0.9997	0.9980
1.1846	1.0006	0.3413	3.1079	1.0005	0.9997	1.2062	1.0002	0.3409	3.1097	1.0003	1.0000
1.2317	1.0008	0.3409	3.1108	1.0008	1.0005	1.2497	1.0004	0.3406	3.1123	1.0006	1.0011
1.2786	1.0008	0.3408	3.1115	1.0009	1.0012	1.3351	1.0002	0.3404	3.1133	1.0007	1.0015
1.3628	1.0008	0.3409	3.1112	1.0008	1.0010	1.4614	1.0002	0.3405	3.1124	1.0006	1.0011
1.4923	1.0006	0.3408	3.1112	1.0008	1.0010	1.6681	1.0006	0.3407	3.1120	1.0006	1.0010
1.6895	1.0006	0.3405	3.1106	1.0008	1.0008	1.8712	1.0004	0.3408	3.1111	1.0004	1.0006
1.9173	1.0007	0.3412	3.1089	1.0006	1.0001						
DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	DEL = 0.5175 THETA = 0.03843 RHOE = 0.2223	CEL = 0.5285 THETA = 0.03869 RHOE = 0.2222	CEL = 0.5285 THETA = 0.03869 RHOE = 0.2222	DEL = 0.5285 THETA = 0.03869 RHOE = 0.2222	DEL = 0.5285 THETA = 0.03869 RHOE = 0.2222	DEL = 0.5285 THETA = 0.03869 RHOE = 0.2222	DEL = 0.5285 THETA = 0.03869 RHOE = 0.2222
UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075	UE = 640.0 M/SEC RUN = 4075

MACH = 3.00 ALPHA = 5.28 RPM = 0.				PO = 298.5 KPA Z/D = 4.44 PW = 6.53 KPA				TO = 309.2 K PHI = 210. REL = 7234552.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9204	0.9204	0.0000	0.0000	0.3657	0.0000	0.9204	0.9204	0.0000	0.0000	0.3650
0.0181	0.9604	0.7963	1.0151	0.4978	0.4226	0.0000	0.9203	0.7624	1.1531	0.5528	0.4406
0.0445	0.9459	0.7580	1.1710	0.5603	0.4441	0.0670	0.9674	0.7435	1.2370	0.5809	0.4518
0.0897	0.9711	0.7081	1.3627	0.6303	0.4752	0.0846	0.9692	0.7270	1.2508	0.6042	0.4621
0.1355	0.9744	0.6771	1.4816	0.6700	0.4970	0.1278	0.9723	0.6975	1.4020	0.6431	0.4814
0.1762	0.9771	0.6483	1.5924	0.7047	0.5151	0.1662	0.9749	0.6737	1.4551	0.6737	0.4928
0.2249	0.9794	0.6233	1.6899	0.7333	0.5359	0.2121	0.9765	0.6499	1.5661	0.7020	0.5165
0.2768	0.9816	0.5991	1.7870	0.7600	0.5515	0.2531	0.9789	0.6278	1.6721	0.7274	0.5351
0.3206	0.9835	0.5788	1.8697	0.7816	0.5617	0.2984	0.9809	0.6064	1.7572	0.7512	0.5541
0.3704	0.9850	0.5572	1.9595	0.8038	0.6042	0.3453	0.9828	0.5841	1.8476	0.7751	0.5753
0.4177	0.9867	0.5357	2.0319	0.8253	0.6254	0.3940	0.9847	0.5607	1.9442	0.7992	0.5952
0.4667	0.9882	0.5152	2.1401	0.8446	0.6527	0.4432	0.9861	0.5403	2.0311	0.8197	0.6218
0.5060	0.9895	0.4988	2.2177	0.8607	0.6748	0.4772	0.9875	0.5224	2.1099	0.8372	0.6431
0.5655	0.9911	0.4752	2.3299	0.8826	0.7084	0.5338	0.9894	0.4985	2.2191	0.8601	0.6741
0.6160	0.9926	0.4576	2.4175	0.8986	0.7357	0.5713	0.9904	0.4821	2.2562	0.8753	0.6969
0.6667	0.9937	0.4404	2.5065	0.9140	0.7645	0.6174	0.9921	0.4638	2.3865	0.8921	0.7246
0.7137	0.9948	0.4253	2.5872	0.9271	0.7916	0.6617	0.9932	0.4468	2.4730	0.9073	0.7522
0.7638	0.9959	0.4112	2.6665	0.9394	0.8150	0.7161	0.9944	0.4289	2.5678	0.9231	0.7816
0.8140	0.9967	0.3980	2.7424	0.9506	0.8460	0.7664	0.9955	0.4125	2.6561	0.9369	0.8135
0.8562	0.9973	0.3870	2.8081	0.9598	0.8701	0.8052	0.9963	0.4009	2.7251	0.9471	0.8382
0.9562	0.9992	0.3646	2.9503	0.9786	0.9240	0.9136	0.9982	0.3744	2.8661	0.9693	0.8977
1.0177	0.9997	0.3538	3.0212	0.9873	0.9515	0.9556	0.9990	0.3645	2.9503	0.9775	0.9224
1.0700	1.0002	0.3466	3.0706	0.9931	0.9718	1.0045	0.9994	0.3543	3.0173	0.9858	0.9487
1.1193	1.0004	0.3424	3.1001	0.9965	0.9838	1.0528	0.9999	0.3466	3.0700	0.9920	0.9658
1.1655	1.0006	0.3398	3.1185	0.9986	0.9912	1.1052	1.0002	0.3416	3.1047	0.9960	0.9835
1.2228	1.0008	0.3386	3.1274	0.9996	0.9950	1.1490	1.0004	0.3391	3.1221	0.9980	0.9910
1.3240	1.0011	0.3380	3.1318	1.0001	0.9968	1.1955	1.0004	0.3380	3.1307	0.9990	0.9946
1.4304	1.0010	0.3375	3.1324	1.0001	0.9968	1.2985	1.0003	0.3372	3.1360	0.9995	0.9968
1.4792	1.0011	0.3379	3.1325	1.0002	0.9971	1.3952	1.0005	0.3365	3.1383	0.9998	0.9977
1.5825	1.0011	0.3374	3.1325	1.0002	0.9971	1.4987	1.0005	0.3366	3.1403	1.0000	0.9985
1.6532	1.0013	0.3374	3.1367	1.0007	0.9988	1.7451	1.0003	0.3365	3.1406	1.0001	0.9987
2.1115	1.0013	0.3375	3.1357	1.0005	0.9984	1.9873	1.0005	0.3366	3.1407	1.0001	0.9987

MACH = 3.00 ALPHA = 5.28 RPM = 20000.				PO = 298.5 KPA Z/D = 4.44 PW = 6.53 KPA				TO = 309.5 K PHI = 210. REL = 7218125.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	CEL	DELL	THETA	H	DEL	UE
0.0000	0.9203	0.9203	0.0000	0.0000	0.3650	0.0000	0.9203	0.9203	0.0000	0.0000	0.3650
0.0181	0.9604	0.7963	1.0151	0.4978	0.4226	0.0470	0.9652	0.7624	1.1531	0.5528	0.4406
0.0445	0.9459	0.7580	1.1710	0.5603	0.4441	0.0670	0.9674	0.7435	1.2370	0.5809	0.4518
0.0897	0.9711	0.7081	1.3627	0.6303	0.4752	0.0846	0.9692	0.7270	1.2508	0.6042	0.4621
0.1355	0.9744	0.6771	1.4816	0.6700	0.4970	0.1278	0.9723	0.6975	1.4020	0.6431	0.4814
0.1762	0.9771	0.6483	1.5924	0.7047	0.5151	0.1662	0.9749	0.6737	1.4551	0.6737	0.4928
0.2249	0.9794	0.6233	1.6899	0.7333	0.5359	0.2121	0.9765	0.6499	1.5661	0.7020	0.5165
0.2768	0.9816	0.5991	1.7870	0.7600	0.5515	0.2531	0.9789	0.6278	1.6721	0.7274	0.5351
0.3206	0.9835	0.5788	1.8697	0.7816	0.5617	0.2984	0.9809	0.6064	1.7572	0.7512	0.5541
0.3704	0.9850	0.5572	1.9595	0.8038	0.6042	0.3453	0.9828	0.5841	1.8476	0.7751	0.5753
0.4177	0.9867	0.5357	2.0319	0.8253	0.6254	0.3940	0.9847	0.5607	1.9442	0.7992	0.5952
0.4667	0.9882	0.5152	2.1401	0.8446	0.6527	0.4432	0.9861	0.5403	2.0311	0.8197	0.6218
0.5060	0.9895	0.4988	2.2177	0.8607	0.6748	0.4772	0.9875	0.5224	2.1099	0.8372	0.6431
0.5655	0.9911	0.4752	2.3299	0.8826	0.7084	0.5338	0.9894	0.4985	2.2191	0.8601	0.6741
0.6160	0.9926	0.4576	2.4175	0.8986	0.7357	0.5713	0.9904	0.4821	2.2562	0.8753	0.6969
0.6667	0.9937	0.4404	2.5065	0.9140	0.7645	0.6174	0.9921	0.4638	2.3865	0.8921	0.7246
0.7137	0.9948	0.4253	2.5872	0.9271	0.7916	0.6617	0.9932	0.4468	2.4730	0.9073	0.7522
0.7638	0.9959	0.4112	2.6665	0.9394	0.8150	0.7161	0.9944	0.4289	2.5678	0.9231	0.7816
0.8140	0.9967	0.3980	2.7424	0.9506	0.8460	0.7664	0.9955	0.4125	2.6561	0.9369	0.8135
0.8562	0.9973	0.3870	2.8081	0.9598	0.8701	0.8052	0.9963	0.4009	2.7251	0.9471	0.8382
0.9562	0.9992	0.3646	2.9503	0.9786	0.9240	0.9136	0.9982	0.3744	2.8661	0.9693	0.8977
1.0177	0.9997	0.3538	3.0212	0.9873	0.9515	0.9556	0.9990	0.3645	2.9503	0.9775	0.9224
1.0700	1.0002	0.3466	3.0706	0.9931	0.9718	1.0045	0.9994	0.3543	3.0173	0.9858	0.9487
1.1193	1.0004	0.3424	3.1001	0.9965	0.9838	1.0528	0.9999	0.3466	3.0700	0.9920	0.9658
1.1655	1.0006	0.3398	3.1185	0.9986	0.9912	1.1052	1.0002	0.3416	3.1047	0.9960	0.9835
1.2228	1.0008	0.3386	3.1274	0.9996	0.9950	1.1490	1.0004	0.3391	3.1221	0.9980	0.9910
1.3240	1.0011	0.3380	3.1318	1.0001	0.9968	1.1955	1.0004	0.3380	3.1307	0.9990	0.9946
1.4304	1.0010	0.3375	3.1324	1.0001	0.9968	1.2985	1.0003	0.3372	3.1360	0.9995	0.9968
1.4792	1.0011	0.3379	3.1325	1.0002	0.9971	1.3952	1.0005	0.3365	3.1383	0.9998	0.9977
1.5825	1.0011	0.3374	3.1325	1.0002	0.9971	1.4987	1.0005	0.3366	3.1403	1.0000	0.9985
1.6532	1.0013	0.3374	3.1367	1.0007	0.9988	1.7451	1.0003	0.3365	3.1406	1.0001	0.9987
2.1115	1.0013	0.3375	3.1357	1.0005	0.9984	1.9873	1.0005	0.3366	3.1407	1.0001	0.9987

MACH = 3.00	PO = 298.5 KPA	TO = 307.2 K			
ALPHA = 5.28	Z/D = 4.44	PHI = 240.			
RPM = 0.	PM = 6.01 KPA	REL = 7306523.			

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOF
0.0000	0.9190	0.9190	0.0000	0.0000	0.3527
0.0252	0.9562	0.7502	1.1972	0.5652	0.4334
0.0438	0.9685	0.7266	1.2501	0.5992	0.4477
0.0736	0.9729	0.6844	1.4518	0.6545	0.4753
0.1075	0.9758	0.6504	1.5817	0.6952	0.5000
0.1739	0.9807	0.6024	1.7720	0.7493	0.5401
0.2415	0.9835	0.5677	1.9139	0.7856	0.5731
0.3064	0.9852	0.5424	2.0204	0.8108	0.5956
0.3732	0.9874	0.5157	2.1383	0.8388	0.6307
0.4268	0.9891	0.4926	2.2447	0.8585	0.6603
0.4926	0.9909	0.4696	2.3561	0.8797	0.6925
0.5659	0.9927	0.4441	2.4654	0.9024	0.7326
0.6377	0.9943	0.4216	2.6362	0.9220	0.7718
0.6989	0.9957	0.4034	2.7095	0.9375	0.8067
0.7624	0.9969	0.3873	2.8055	0.9511	0.8404
0.8390	0.9980	0.3705	2.9101	0.9649	0.8785
0.9128	0.9985	0.3586	2.9872	0.9745	0.9075
0.9847	0.9992	0.3478	3.0602	0.9832	0.9356
1.0334	0.9998	0.3408	3.1096	0.9889	0.9551
1.1204	1.0004	0.3338	3.1598	0.9944	0.9751
1.1864	1.0004	0.3312	3.1782	0.9964	0.9826
1.2546	1.0005	0.3302	3.1859	0.9973	0.9857
1.4085	1.0005	0.3293	3.1923	0.9979	0.9863
1.5372	1.0008	0.3288	3.1568	0.9984	0.9901
1.7272	1.0010	0.3282	3.2014	0.9989	0.9920
2.1263	1.0012	0.3271	3.2098	0.9998	0.9954

CEL = 0.3023	DELU = 0.458	DEL* = 0.1177 CM
TMETA = 0.02026	H = 5.807	UE = 644.7 M/SEC
RMDE = 0.2100	KG/M**3	RUN = 4061

MACH = 3.00	PO = 298.6 KPA	TO = 307.7 K			
ALPHA = 5.28	Z/D = 4.44	PHI = 240.			
RPM = 20000.	PM = 6.01 KPA	REL = 7285163.			

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOF
0.0000	0.9189	0.9189	0.0000	0.0000	0.3527
0.0578	0.9697	0.7130	1.3416	0.6166	0.4546
0.0688	0.9708	0.7041	1.3763	0.6295	0.4604
0.1002	0.9735	0.6770	1.4798	0.6626	0.4788
0.1336	0.9762	0.6511	1.5802	0.6938	0.4980
0.1636	0.9775	0.6323	1.6521	0.7150	0.5126
0.2361	0.9813	0.5910	1.8172	0.7603	0.5485
0.3014	0.9837	0.5639	1.9295	0.7885	0.5750
0.3615	0.9858	0.5374	2.0427	0.8148	0.6034
0.4258	0.9878	0.5109	2.1603	0.8403	0.6346
0.4945	0.9895	0.4851	2.2800	0.8643	0.6682
0.5518	0.9915	0.4600	2.4037	0.8871	0.7049
0.6274	0.9932	0.4350	2.5332	0.9092	0.7454
0.6896	0.9946	0.4155	2.6397	0.9259	0.7804
0.7582	0.9961	0.3956	2.7551	0.9428	0.8199
0.8275	0.9971	0.3763	2.8718	0.9587	0.8616
0.8981	0.9984	0.3626	2.9610	0.9701	0.8946
0.9625	0.9990	0.3499	3.0454	0.9802	0.9268
1.0292	0.9996	0.3397	3.1165	0.9884	0.9546
1.1023	1.0002	0.3334	3.1619	0.9934	0.9728
1.1693	1.0001	0.3301	3.1853	0.9959	0.9822
1.2427	1.0001	0.3286	3.1966	0.9971	0.9868
1.3058	1.0003	0.3280	3.2015	0.9977	0.9887
1.3753	1.0005	0.3276	3.2049	0.9980	0.9901
1.5187	1.0009	0.3272	3.2087	0.9984	0.9917
1.7356	1.0006	0.3265	3.2129	0.9989	0.9934
2.0985	1.0007	0.3257	3.2184	0.9995	0.9959

CEL = 0.3073	DELU = 0.521	DEL* = 0.1271 CM
TMETA = 0.02120	H = 5.996	UE = 646.0 M/SEC
RMDE = 0.2105	KG/M**3	RUN = 4062

MACH = 3.00 PO = 297.9 KPA TO = 307.2 K DEL = .0521 CM
 ALPHA = 6.34 Z/D = 4.44 PHI = 0. UE = 622.0 M/SEC
 RPM = 20000. PW = 8.86 KPA REL = 7274104. RUN = 4085

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9248	0.9248	0.0000	0.0000	0.4031
0.1321	0.9816	0.6301	1.6703	0.7489	0.8038
0.1321	0.9821	0.6268	1.6836	0.7528	0.8135
0.1914	0.9846	0.5942	1.8126	0.7892	0.8294
0.2264	0.9861	0.5751	1.8903	0.8097	0.8521
0.2646	0.9875	0.5547	1.9762	0.8312	0.8726
0.3004	0.9891	0.5376	2.0494	0.8487	0.8838
0.3572	0.9904	0.5180	2.1352	0.8680	0.8966
0.4142	0.9914	0.5032	2.2026	0.8825	0.9084
0.4751	0.9923	0.4906	2.2615	0.8947	0.9205
0.5400	0.9932	0.4801	2.3119	0.9047	0.9313
0.6053	0.9940	0.4658	2.3814	0.9180	0.9439
0.6636	0.9953	0.4463	2.4799	0.9358	0.9562
0.7259	0.9961	0.4345	2.5421	0.9465	0.9666
0.7885	0.9971	0.4216	2.6125	0.9581	0.9738
0.8478	0.9979	0.4097	2.6794	0.9686	0.9820
0.8961	0.9983	0.4026	2.7202	0.9748	0.9872
0.9443	0.9989	0.3930	2.7764	0.9831	0.9946
1.0443	0.9992	0.3860	2.8185	0.9891	0.9983
1.1417	1.0000	0.3796	2.8445	0.9981	0.9994
1.2827	1.0000	0.3736	2.8588	0.9947	0.9998
1.4255	1.0000	0.3731	2.8587	0.9996	0.9998
1.5557	1.0000	0.3730	2.8595	1.0001	1.0001
1.6779	1.0002	0.3729	2.8593	1.0003	1.0002
1.8208	1.0002	0.3728	2.9008	1.0004	1.0003
1.9487	1.0000	0.3727	2.9011	1.0004	1.0004
2.0855	1.0000	0.3726	2.9019	1.0005	1.0004
2.2151	1.0002	0.3727	2.9016	1.0004	1.0004
2.3435	1.0002	0.3725	2.9024	1.0005	1.0004
2.4613	1.0002	0.3724	2.9032	1.0007	1.0007
2.5997	1.0001	0.3744	2.8508	0.9990	0.9984
2.7304	1.0001	0.3741	2.8925	0.9992	0.9988
2.8614	1.0001	0.3741	2.8925	0.9992	0.9988
2.9934	1.0002	0.3731	2.8590	1.0001	0.9996

DEL = 0.1552 DELU = .0258 DEL* = .0525 CM
 THETA = .00917 H = 5.766 UE = 622.2 M/SEC
 RHOE = 0.2698 KG/M**3 RUN = 4085

MACH = 3.00				PO = 298.6 KPA				TO = 308.2 K			
ALPHA = 6.34				Z/D = 4.44				PHI = 60.			
RPM = 20000.				PM = 6.93 KPA				REL = 7262401.			
Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.9209	0.6942	0.0000	0.3000	0.3658	0.0000	0.9207	0.9207	0.0000	0.0000	0.3680
0.0006	0.9741	0.6892	1.4555	0.6636	0.4978	0.1140	0.9799	0.6216	1.6574	0.7363	0.5451
0.0046	0.9777	0.6855	1.6043	0.7104	0.5276	0.1281	0.9809	0.6070	1.7552	0.7524	0.5582
0.0092	0.9801	0.6810	1.7036	0.7394	0.5493	0.1592	0.9829	0.5814	1.8583	0.7796	0.5826
0.0148	0.9828	0.6768	1.8303	0.7738	0.5788	0.1875	0.9851	0.5564	1.9628	0.8055	0.6085
0.0204	0.9853	0.6723	1.9595	0.8066	0.6112	0.2216	0.9864	0.5384	2.0400	0.8236	0.6293
0.0260	0.9878	0.6678	2.0399	0.8350	0.6325	0.2702	0.9881	0.5186	2.1276	0.8429	0.6524
0.0316	0.9895	0.6633	2.1412	0.8674	0.6606	0.3190	0.9898	0.5046	2.1505	0.8562	0.6712
0.0372	0.9907	0.6588	2.2040	0.8805	0.6787	0.3684	0.9908	0.4938	2.2407	0.8664	0.6860
0.0428	0.9919	0.6543	2.2588	0.8916	0.6950	0.4195	0.9905	0.4804	2.3043	0.8788	0.7051
0.0484	0.9931	0.6498	2.3295	0.8982	0.7165	0.4658	0.9920	0.4655	2.3778	0.8924	0.7279
0.0540	0.9943	0.6453	2.4027	0.8987	0.7395	0.5281	0.9931	0.4489	2.4621	0.9075	0.7549
0.0596	0.9955	0.6408	2.4759	0.9116	0.7632	0.6026	0.9958	0.4291	2.5667	0.9250	0.7857
0.0652	0.9967	0.6363	2.5767	0.9283	0.7912	0.6926	0.9958	0.4085	2.6809	0.9427	0.8254
0.0708	0.9979	0.6318	2.6697	0.9528	0.8257	0.7649	0.9968	0.3932	2.7703	0.9557	0.8617
0.0764	0.9991	0.6273	2.7592	0.9559	0.8621	0.8651	0.9979	0.3758	2.8767	0.9702	0.9015
0.0820	0.9998	0.6228	2.8474	0.9681	0.8950	0.9567	0.9984	0.3619	2.9661	0.9817	0.9362
0.0876	0.9999	0.6183	2.9254	0.9784	0.9250	1.0705	0.9994	0.3524	3.0295	0.9894	0.9614
0.0932	0.9999	0.6138	2.9946	0.9870	0.9524	1.1665	0.9998	0.3485	3.0567	0.9927	0.9724
0.0988	0.9999	0.6093	3.0439	0.9930	0.9722	1.2600	0.9999	0.3457	3.0695	0.9942	0.9776
0.1044	0.9999	0.6048	3.0637	0.9953	0.9803	1.3796	1.0000	0.3428	3.0761	0.9949	0.9803
0.1100	0.9999	0.6003	3.0774	0.9962	0.9833	1.5946	0.9998	0.3448	3.0821	0.9956	0.9828
0.1156	0.9999	0.5958	3.0859	0.9979	0.9859	1.9142	1.0001	0.3437	3.0903	0.9966	0.9861
0.1212	0.9999	0.5913	3.0896	0.9979	0.9872	2.2424	1.0001	0.3428	3.0967	0.9973	0.9887
0.1268	0.9999	0.5868	3.0900	0.9984	0.9911	2.5525	1.0001	0.3418	3.1033	0.9981	0.9914
0.1324	0.9999	0.5823	3.0900	0.9984	0.9911	2.8854	1.0004	0.3409	3.1101	0.9989	0.9942
0.1380	0.9999	0.5778	3.0957	0.9990	0.9934	3.2313	1.0003	0.3401	3.1158	0.9995	0.9966
0.1436	0.9999	0.5733	3.1032	0.9999	0.9965	3.5535	1.0004	0.3			

MACH = 3.00 PO = 298.5 KPA TO = 306.2 K
 ALPHA = 6.34 Z/O = 4.44 PHI = 120.
 RPM = 2000. PM = 5.59 KPA REL = 7340302.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9185 0.9185 0.0000 0.0000 0.3456
 0.0251 0.9574 0.7527 1.1871 0.5597 0.4267
 0.0326 0.9604 0.7104 1.3525 0.6194 0.4522
 0.0574 0.9675 0.6654 1.5242 0.6756 0.4827
 0.0920 0.9728 0.6248 1.6828 0.7227 0.5142
 0.1404 0.9775 0.5920 1.8135 0.7581 0.5426
 0.1910 0.9808 0.5691 1.9077 0.7819 0.5645
 0.2415 0.9835 0.5457 2.0368 0.8054 0.5887
 0.3109 0.9861 0.5271 2.1884 0.8237 0.6096
 0.3783 0.9887 0.5056 2.3645 0.8440 0.6323
 0.4403 0.9902 0.4811 2.5643 0.8584 0.6553
 0.5086 0.9924 0.4591 2.7933 0.8760 0.6822
 0.5755 0.9942 0.4375 3.0511 0.8977 0.7155
 0.6437 0.9957 0.4171 3.3493 0.9186 0.7605
 0.7147 0.9974 0.4018 3.6813 0.9363 0.7955
 0.7861 0.9984 0.3851 4.0511 0.9502 0.8247
 0.8471 0.9996 0.3702 4.4684 0.9620 0.8569
 0.9208 1.0006 0.3556 4.9303 0.9743 0.9041
 0.9948 1.0018 0.3455 5.4473 0.9824 0.9305
 1.0646 1.0032 0.3378 6.0203 0.9886 0.9520
 1.1283 1.0040 0.3328 6.6503 0.9925 0.9662
 1.1921 1.0044 0.3301 7.3383 0.9947 0.9744
 1.2667 1.0046 0.3287 8.0853 0.9958 0.9782
 1.3433 1.0048 0.3275 8.8923 0.9964 0.9807
 1.4759 1.0025 0.3218 9.7603 0.9972 0.9838
 1.6201 1.0027 0.3261 10.6913 0.9979 0.9864
 1.9955 1.0030 0.3240 11.6843 0.9996 0.9925

DEL = 0.3079 DELL = 0.506 DEL* = 0.1249 CM
 THETA = 0.0256 H = 6.076 UE = 645.6 M/SEC
 RHOE = 0.1987 KG/M**3 RUN = 4110

MACH = 3.00 PO = 298.5 KPA TO = 305.6 K
 ALPHA = 6.34 Z/O = 4.44 PHI = 120.
 RPM = 2000. PM = 5.59 KPA REL = 7383617.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9183 0.9183 0.0000 0.0000 0.3480
 0.0251 0.9574 0.8062 0.4724 0.5055 0.3954
 0.0326 0.9604 0.7873 1.0487 0.5055 0.4011
 0.0574 0.9675 0.7352 1.2566 0.5854 0.4349
 0.0920 0.9728 0.6914 1.4264 0.6441 0.4627
 0.1404 0.9775 0.6508 1.5843 0.6939 0.4920
 0.1910 0.9808 0.6160 1.7205 0.7331 0.5198
 0.2415 0.9835 0.5860 1.8415 0.7652 0.5455
 0.3109 0.9861 0.5536 1.9766 0.7983 0.5786
 0.3783 0.9887 0.5235 2.1076 0.8277 0.6115
 0.4403 0.9902 0.5004 2.2121 0.8494 0.6400
 0.5086 0.9924 0.4745 2.3341 0.8730 0.6746
 0.5755 0.9942 0.4501 2.4582 0.8951 0.7118
 0.6437 0.9957 0.4276 2.5777 0.9147 0.7454
 0.7147 0.9974 0.4045 2.7053 0.9341 0.7915
 0.7861 0.9984 0.3871 2.8099 0.9488 0.8277
 0.8471 0.9996 0.3720 2.9044 0.9613 0.8614
 0.9208 1.0006 0.3564 3.0061 0.9739 0.8951
 0.9948 1.0018 0.3434 3.0564 0.9844 0.9236
 1.0646 1.0032 0.3342 3.1595 0.9914 0.9584
 1.1283 1.0040 0.3311 3.1830 0.9940 0.9677
 1.1921 1.0044 0.3295 3.1952 0.9953 0.9726
 1.2667 1.0046 0.3274 3.2110 0.9969 0.9785
 1.3433 1.0025 0.3263 3.2191 0.9978 0.9822
 1.4759 1.0025 0.3255 3.2248 0.9984 0.9845
 1.6201 1.0027 0.3250 3.2290 0.9989 0.9862
 1.9955 1.0030 0.3231 3.2439 1.0004 0.9922

DEL = 0.3037 DELL = 0.507 DEL* = 0.1268 CM
 THETA = 0.0292 H = 6.061 UE = 644.8 M/SEC
 RHOE = 0.2006 KG/M**3 RUN = 4105

105

MACH = 3.00		PO = 298.6 KPA		TO = 304.2 K		DEL = 0.6042		DELU = 1031		DEL** = 2500 CM	
ALPHA = 6.34		Z/D = 4.44		PHI = 170.		THETA = 0.04361		H = 5.732		UE = 635.2 M/SEC	
RPM = 0.		PW = 6.65 KPA		REL = 7415755.		RHOE = 0.2266 KG/M**3		RUN = 4092		RUN = 4092	

MACH = 3.00		PO = 298.6 KPA		TO = 303.6 K		DEL = 0.6029		DELU = 1069		DEL** = 2500 CM	
ALPHA = 6.34		Z/D = 4.44		PHI = 170.		THETA = 0.04322		H = 5.785		UE = 635.2 M/SEC	
RPM = 2000.		PW = 6.65 KPA		REL = 746746C.		RHOE = 0.2252 KG/M**3		RUN = 4092		RUN = 4092	

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9205	0.9205	0.0000	0.0000	0.3670
0.0336	0.9652	0.7674	1.1352	0.5481	0.4404
0.0556	0.9694	0.7315	1.2753	0.6012	0.4621
0.0904	0.9728	0.7017	1.3899	0.6416	0.4818
0.1216	0.9751	0.6788	1.4773	0.6708	0.4980
0.1536	0.9774	0.6562	1.5645	0.6984	0.5153
0.1897	0.9793	0.6353	1.6453	0.7227	0.5322
0.2212	0.9808	0.6182	1.7126	0.7426	0.5465
0.2518	0.9822	0.6012	1.7800	0.7606	0.5624
0.2847	0.9835	0.5853	1.8455	0.7779	0.5779
0.3185	0.9851	0.5681	1.9159	0.7957	0.5953
0.3522	0.9866	0.5518	1.9850	0.8124	0.6130
0.3807	0.9877	0.5404	2.0341	0.8238	0.6260
0.4227	0.9890	0.5230	2.1107	0.8409	0.6468
0.4547	0.9903	0.5102	2.1690	0.8534	0.6623
0.4894	0.9912	0.4976	2.2271	0.8653	0.6801
0.5254	0.9922	0.4854	2.2850	0.8768	0.6973
0.5614	0.9932	0.4730	2.3451	0.8883	0.7156
0.5964	0.9939	0.4627	2.3958	0.8976	0.7315
0.6294	0.9948	0.4529	2.4457	0.9065	0.7475
0.6625	0.9953	0.4425	2.4995	0.9157	0.7650
0.7005	0.9962	0.4322	2.5544	0.9248	0.7823
0.7384	0.9970	0.4222	2.6091	0.9336	0.8020
0.7748	0.9978	0.4132	2.6593	0.9413	0.8195
0.8092	0.9984	0.4047	2.7083	0.9486	0.8369
0.8458	0.9990	0.3950	2.7649	0.9568	0.8571
0.8825	0.9997	0.3866	2.8158	0.9640	0.8761
0.9161	1.0004	0.3793	2.8614	0.9701	0.8932
0.9553	1.0011	0.3708	2.9153	0.9772	0.9138
0.9924	1.0014	0.3627	2.9670	0.9838	0.9340
1.0263	1.0020	0.3562	3.0106	0.9891	0.9512
1.0634	1.0024	0.3502	3.0514	0.9940	0.9676
1.1015	1.0030	0.3454	3.0855	0.9980	0.9814
1.1395	1.0032	0.3426	3.1048	1.0002	0.9853
1.1806	1.0035	0.3404	3.1207	1.0020	0.9959
1.2277	1.0035	0.3402	3.1214	1.0021	0.9982
1.4641	1.0041	0.3408	3.1198	1.0019	0.9955

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9206	0.9206	0.0000	0.0000	0.3677
0.0369	0.9651	0.7393	1.2439	0.5887	0.4575
0.0925	0.9714	0.7067	1.3685	0.6334	0.4785
0.1229	0.9739	0.6822	1.4622	0.6649	0.4961
0.1500	0.9759	0.6640	1.5322	0.6873	0.5058
0.1833	0.9779	0.6436	1.6117	0.7117	0.5261
0.2227	0.9800	0.6223	1.6951	0.7360	0.5441
0.2534	0.9814	0.6055	1.7620	0.7546	0.5593
0.2874	0.9829	0.5878	1.8332	0.7735	0.5761
0.3176	0.9842	0.5716	1.8998	0.7905	0.5924
0.3530	0.9854	0.5547	1.9704	0.8077	0.6104
0.3937	0.9867	0.5375	2.0425	0.8245	0.6294
0.4236	0.9882	0.5225	2.1094	0.8394	0.6477
0.4557	0.9892	0.5097	2.1688	0.8521	0.6645
0.4916	0.9902	0.4961	2.2315	0.8650	0.6827
0.5212	0.9910	0.4850	2.2837	0.8753	0.6983
0.5637	0.9922	0.4707	2.3535	0.8885	0.7157
0.5978	0.9927	0.4602	2.4051	0.8979	0.7355
0.6351	0.9935	0.4480	2.4674	0.9089	0.7560
0.6672	0.9944	0.4384	2.5179	0.9174	0.7726
0.7036	0.9949	0.4283	2.5721	0.9263	0.7905
0.7401	0.9957	0.4187	2.6248	0.9346	0.8090
0.7766	0.9965	0.4092	2.6789	0.9429	0.8280
0.8067	0.9970	0.4015	2.7207	0.9491	0.8430
0.8477	0.9976	0.3917	2.7811	0.9577	0.8650
0.8856	0.9982	0.3833	2.8322	0.9648	0.8840
0.9204	0.9988	0.3758	2.8790	0.9710	0.9017
0.9575	0.9992	0.3678	2.9297	0.9776	0.9212
0.9925	0.9998	0.3603	2.9792	0.9838	0.9406
1.0276	1.0004	0.3540	3.0218	0.9890	0.9575
1.0681	1.0006	0.3478	3.0635	0.9940	0.9744
1.1029	1.0010	0.3437	3.0922	0.9973	0.9861
1.1421	1.0012	0.3411	3.1103	0.9994	0.9935
1.1789	1.0015	0.3398	3.1204	1.0005	0.9977
1.2144	1.0013	0.3393	3.1236	1.0009	0.9951
1.2395	1.0013	0.3393	3.1233	1.0008	0.9989
1.4656	1.0015	0.3393	3.1249	1.0010	0.9996

MACH = 3.00 PO = 298.0 KPA TO = 305.2 K DEL = 0.6070 DELU = .C970 DEL** = .2370 CM
 ALPHA = 6.34 Z/D = 4.44 PHI = 180. THETA = .04194 UE = 635.2 M/SEC
 RPM = 0. PW = 6.69 KPA REL = 7367171. RHO = 0.2253 KG/M**3 RUN = 4083

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9208	0.9208	0.0000	0.0000	0.3652	0.0000	0.9208	0.9208	0.0000	0.0000	0.3652	0.0000	0.9208	0.9208	0.0000	0.0000	0.3652
0.0035	0.9652	0.7663	1.1392	0.5502	0.4437	0.0576	0.9695	0.7263	1.2939	0.6075	0.4684	0.0667	0.9709	0.7134	1.3432	0.6251	0.4768
0.0497	0.9681	0.7426	1.2323	0.5859	0.4380	0.0985	0.9738	0.6846	1.4534	0.6625	0.4969	0.1270	0.9763	0.6604	1.5466	0.6924	0.5152
0.0677	0.9710	0.7163	1.3336	0.6227	0.4742	0.1586	0.9783	0.6384	1.6317	0.7182	0.5330	0.1925	0.9803	0.6180	1.7119	0.7413	0.5506
0.0960	0.9736	0.6911	1.4297	0.6558	0.4921	0.2223	0.9817	0.5992	1.7864	0.7618	0.5678	0.2563	0.9834	0.5789	1.8691	0.7834	0.5877
0.1273	0.9764	0.6642	1.5330	0.6893	0.5121	0.2875	0.9847	0.5622	1.9384	0.8007	0.6052	0.3235	0.9860	0.5455	2.0093	0.8175	0.6237
0.1590	0.9787	0.6413	1.6221	0.7165	0.5305	0.3536	0.9874	0.5291	2.0810	0.8338	0.6421	0.3876	0.9886	0.5135	2.1509	0.8490	0.6627
0.1930	0.9803	0.6213	1.6956	0.7391	0.5475	0.4217	0.9894	0.5006	2.2097	0.8612	0.6757	0.4510	0.9904	0.4886	2.2659	0.8725	0.6964
0.2246	0.9819	0.6026	1.7739	0.7597	0.5645	0.4897	0.9915	0.4756	2.3288	0.8846	0.7156	0.5236	0.9921	0.4651	2.3801	0.8941	0.7317
0.2565	0.9836	0.5837	1.8510	0.7801	0.5829	0.5571	0.9934	0.4545	2.4329	0.9036	0.7485	0.5928	0.9943	0.4453	2.4808	0.9119	0.7642
0.2902	0.9852	0.5665	1.9208	0.7977	0.6002	0.6242	0.9950	0.4361	2.5297	0.9201	0.7805	0.6623	0.9952	0.4272	2.5781	0.9280	0.7969
0.3217	0.9864	0.5515	1.9855	0.8133	0.6170	0.6961	0.9952	0.4182	2.6231	0.9351	0.8125	0.7311	0.9959	0.4107	2.6692	0.9422	0.8287
0.3575	0.9875	0.5343	2.0594	0.8304	0.6367	0.7672	0.9965	0.4027	2.7151	0.9490	0.8452	0.8012	0.9969	0.3958	2.7556	0.9549	0.8559
0.3885	0.9887	0.5211	2.1183	0.8434	0.6530	0.8395	0.9974	0.3880	2.8025	0.9615	0.8772	0.8736	0.9976	0.3814	2.8420	0.9669	0.8921
0.4227	0.9899	0.5072	2.1811	0.8563	0.6705	0.9085	0.9984	0.3754	2.8801	0.9719	0.9066	0.9442	0.9984	0.3689	2.9211	0.9773	0.9225
0.4562	0.9908	0.4944	2.2405	0.8689	0.6882	0.9777	0.9990	0.3632	2.9584	0.9820	0.9371	1.0166	0.9996	0.3570	2.9959	0.9871	0.9536
0.4899	0.9917	0.4822	2.2987	0.8803	0.7059	1.0545	0.9997	0.3516	3.0356	0.9915	0.9675	1.0839	1.0001	0.3478	3.0620	0.9946	0.9787
0.5196	0.9926	0.4717	2.3497	0.8900	0.7216	1.1273	1.0003	0.3442	3.0864	0.9974	0.9887	1.1618	1.0004	0.3425	3.0594	0.9989	0.9940
0.5585	0.9933	0.4597	2.4093	0.9009	0.7404	1.2121	1.0007	0.3316	3.1059	0.9997	0.9997	1.2359	1.0009	0.3411	3.1098	1.0001	0.9983
0.5932	0.9942	0.4497	2.4606	0.9099	0.7570	1.2734	1.0007	0.3307	3.1121	1.0004	0.9952						
0.6301	0.9947	0.4390	2.5156	0.9193	0.7752												
0.6625	0.9955	0.4302	2.5631	0.9271	0.7912												
0.7000	0.9963	0.4213	2.6121	0.9350	0.8081												
0.7350	0.9968	0.4131	2.6580	0.9421	0.8242												
0.7691	0.9977	0.4051	2.7047	0.9491	0.8408												
0.8042	0.9982	0.3977	2.7473	0.9553	0.8563												
0.8383	0.9986	0.3905	2.7907	0.9614	0.8722												
0.8779	0.9993	0.3832	2.8354	0.9676	0.8850												
0.9068	0.9996	0.3777	2.8890	0.9721	0.9018												
0.9477	1.0001	0.3708	2.9129	0.9779	0.9187												
0.9823	1.0006	0.3649	2.9511	0.9827	0.9326												
1.0212	1.0010	0.3591	2.9897	0.9875	0.9489												
1.0528	1.0012	0.3547	3.0189	0.9911	0.9606												
1.0898	1.0017	0.3503	3.0491	0.9947	0.9727												
1.1301	1.0019	0.3467	3.0740	0.9977	0.9825												
1.1669	1.0020	0.3447	3.0880	0.9993	0.9887												
1.2036	1.0021	0.3436	3.0955	1.0001	0.9918												
1.2390	1.0023	0.3425	3.1007	1.0007	0.9935												

MACH = 3.00	PO = 298.1 KPA	TO = 309.1 K	
ALPHA = 6.34	Z/D = 4.44	PHI = 190.	
RPM = 3.	PM = 6.64 KPA	REL = 7233356.	

Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.9207	0.9207	0.0000	0.0000	0.3683
0.0128	0.9596	0.9877	1.1492	0.5529	0.4441
0.0194	0.9620	0.7981	1.2840	0.6036	0.4652
0.0334	0.9686	0.7380	1.3987	0.6438	0.4852
0.0956	0.9717	0.7086	1.3625	0.6775	0.5004
0.1137	0.9742	0.6959	1.4501	0.6978	0.5174
0.1492	0.9764	0.6629	1.5383	0.7183	0.5317
0.1840	0.9783	0.6445	1.6091	0.7390	0.5471
0.2181	0.9798	0.6256	1.6825	0.7578	0.5629
0.2514	0.9816	0.6066	1.7581	0.7740	0.5774
0.2829	0.9828	0.5926	1.8143	0.7903	0.5921
0.3187	0.9844	0.5752	1.8660	0.8053	0.6087
0.3527	0.9858	0.5597	1.9511	0.8210	0.6263
0.3890	0.9869	0.5437	2.0188	0.8337	0.6416
0.4224	0.9880	0.5292	2.0822	0.8467	0.6582
0.4572	0.9890	0.5155	2.1411	0.8598	0.6762
0.4915	0.9900	0.5026	2.2021	0.8713	0.6932
0.5281	0.9912	0.4887	2.2676	0.8822	0.7103
0.5648	0.9920	0.4774	2.3373	0.8912	0.7253
0.5983	0.9925	0.4661	2.3773	0.9018	0.7439
0.6384	0.9938	0.4537	2.4399	0.9111	0.7612
0.6710	0.9945	0.4438	2.4908	0.9281	0.7957
0.7113	0.9953	0.4323	2.5318	0.9381	0.8180
0.7451	0.9955	0.4227	2.6040	0.9458	0.8361
0.7822	0.9965	0.4130	2.6578	0.9528	0.8524
0.8183	0.9971	0.4043	2.7078	0.9612	0.8754
0.8523	0.9980	0.3957	2.7588	0.9750	0.9145
0.8897	0.9986	0.3865	2.8139	0.9816	0.9347
0.9283	0.9992	0.3766	2.8751	0.9873	0.9529
0.9638	0.9999	0.3689	2.9245	0.9928	0.9713
1.0027	1.0006	0.3604	2.9806	0.9983	0.9836
1.0328	1.0010	0.3541	3.0221	0.9998	0.9962
1.0740	1.0014	0.3479	3.0646	1.0004	0.9985
1.1116	1.0018	0.3442	3.0905	1.0008	0.9998
1.1480	1.0019	0.3420	3.1060	1.0007	0.9998
1.1826	1.0022	0.3406	3.1159	1.0007	0.9998
1.2178	1.0022	0.3404	3.1181	1.0007	0.9998
1.2544	1.0022	0.3404	3.1182	1.0007	0.9998
1.2978	1.0022	0.3404	3.1182	1.0007	0.9998
1.3476	1.0022	0.3404	3.1182	1.0007	0.9998
1.4041	1.0024	0.3403	3.1191	1.0009	0.9995
1.4695	1.0027	0.3407	3.1171	1.0017	0.9984

DEL = 0.5934	DELU = .1014	DEL = .2473 CM
THETA = .04413	M = 5.605	UE = 638.8 M/SEC
RHOE = 0.2224 KG/M**3		RUN = 4072

Y/DEL	TT/TO	T/TO	M	U/U	RHO/RHOE
0.0000	0.9207	0.9207	0.0000	0.0000	0.3683
0.0315	0.9655	0.7638	1.1492	0.5529	0.4441
0.0523	0.9695	0.7291	1.2840	0.6036	0.4652
0.0851	0.9726	0.6991	1.3987	0.6438	0.4852
0.1125	0.9747	0.6775	1.4798	0.6775	0.5004
0.1454	0.9769	0.6556	1.5654	0.6978	0.5174
0.1776	0.9785	0.6380	1.6336	0.7183	0.5317
0.2135	0.9802	0.6198	1.7051	0.7390	0.5471
0.2456	0.9815	0.6026	1.7733	0.7578	0.5629
0.2775	0.9828	0.5874	1.8344	0.7740	0.5774
0.3146	0.9841	0.5715	1.8983	0.7903	0.5921
0.3415	0.9852	0.5573	1.9596	0.8053	0.6087
0.3805	0.9864	0.5416	2.0265	0.8210	0.6263
0.4122	0.9874	0.5287	2.0829	0.8337	0.6416
0.4484	0.9886	0.5155	2.1423	0.8467	0.6582
0.4832	0.9894	0.5016	2.2052	0.8598	0.6762
0.5180	0.9903	0.4893	2.2626	0.8713	0.6932
0.5565	0.9913	0.4776	2.3190	0.8822	0.7103
0.5969	0.9920	0.4677	2.3673	0.8912	0.7253
0.6215	0.9930	0.4561	2.4260	0.9018	0.7439
0.6592	0.9935	0.4457	2.4791	0.9111	0.7612
0.6964	0.9944	0.4344	2.5388	0.9211	0.7810
0.7276	0.9948	0.4262	2.5821	0.9281	0.7957
0.7672	0.9958	0.4148	2.6464	0.9381	0.8180
0.8026	0.9964	0.4058	2.6974	0.9458	0.8361
0.8327	0.9971	0.3977	2.7453	0.9528	0.8524
0.8737	0.9975	0.3876	2.8050	0.9612	0.8754
0.9135	0.9981	0.3793	2.8560	0.9682	0.8946
0.9453	0.9986	0.3710	2.9082	0.9750	0.9145
0.9802	0.9993	0.3631	2.9601	0.9816	0.9347
1.0141	1.0003	0.3562	3.0058	0.9873	0.9529
1.0545	1.0008	0.3495	3.0516	0.9928	0.9713
1.0933	1.0004	0.3450	3.0817	0.9963	0.9836
1.1260	1.0008	0.3423	3.1014	0.9985	0.9962
1.1637	1.0007	0.3407	3.1125	0.9998	0.9985
1.1981	1.0007	0.3400	3.1173	1.0004	0.9982
1.2318	1.0007	0.3397	3.1189	1.0005	0.9985
1.2679	1.0009	0.3396	3.1205	1.0007	0.9995
1.3024	1.0009	0.3394	3.1218	1.0009	0.9995
1.3479	1.0011	0.3397	3.1203	1.0007	0.9995

DEL = 0.6050	DELU = .1032	DEL = .2454 CM
THETA = .04435	M = 5.624	UE = 640.1 M/SEC
RHOE = 0.2220 KG/M**3		RUN = 4073

MACH = 3.00 ALPHA = 6.34 RPM = 20000				PO = 298.4 KPA Z/D = 4.44 PW = 6.36 KPA				TO = 308.1 K PHI = 210 REL = 7290562			
Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE	Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE
0.0000	0.9200	0.9200	0.0000	0.0000	0.3620	0.0000	0.9200	0.9200	0.0000	0.0000	0.3620
0.0173	0.9597	0.8012	0.9945	0.4889	0.4166	0.0443	0.9632	0.7737	1.1066	0.5335	0.4305
0.0438	0.9652	0.7645	1.1457	0.5501	0.4367	0.0727	0.9668	0.7479	1.2098	0.5734	0.4454
0.0792	0.9689	0.7320	1.2723	0.5977	0.4561	0.1085	0.9696	0.7234	1.3044	0.6081	0.4605
0.1167	0.9721	0.7028	1.3642	0.6372	0.4750	0.1496	0.9722	0.7003	1.3934	0.6390	0.4758
0.1635	0.9748	0.6757	1.4876	0.6715	0.4940	0.1866	0.9743	0.6786	1.4760	0.6664	0.4905
0.2007	0.9770	0.6520	1.5786	0.7000	0.5120	0.2339	0.9765	0.6561	1.5624	0.6936	0.5078
0.2516	0.9795	0.6261	1.6800	0.7299	0.5332	0.2728	0.9782	0.6360	1.6403	0.7169	0.5238
0.2961	0.9815	0.6052	1.7632	0.7531	0.5518	0.3208	0.9804	0.6121	1.7347	0.7438	0.5442
0.3355	0.9833	0.5860	1.8411	0.7737	0.5700	0.3590	0.9821	0.5921	1.8150	0.7654	0.5627
0.3861	0.9854	0.5606	1.9464	0.8000	0.5958	0.4025	0.9840	0.5721	1.8973	0.7864	0.5825
0.4274	0.9869	0.5407	2.0316	0.8200	0.6178	0.4412	0.9856	0.5510	1.9860	0.8078	0.6048
0.4801	0.9886	0.5181	2.1316	0.8422	0.6448	0.4892	0.9874	0.5275	2.0880	0.8310	0.6317
0.5276	0.9903	0.4980	2.2232	0.8612	0.6708	0.5337	0.9889	0.5078	2.1763	0.8499	0.6562
0.5755	0.9915	0.4782	2.3161	0.8794	0.6982	0.5799	0.9905	0.4862	2.2771	0.8701	0.6852
0.6237	0.9931	0.4592	2.4097	0.8966	0.7271	0.6252	0.9917	0.4689	2.3610	0.8859	0.7106
0.6716	0.9944	0.4425	2.4949	0.9114	0.7543	0.6675	0.9931	0.4494	2.4592	0.9034	0.7414
0.7165	0.9955	0.4260	2.5853	0.9262	0.7842	0.7080	0.9942	0.4334	2.5434	0.9175	0.7688
0.7655	0.9966	0.4099	2.6754	0.9401	0.8152	0.7473	0.9953	0.4185	2.6250	0.9305	0.7963
0.8169	0.9977	0.3963	2.7545	0.9517	0.8432	0.8026	0.9964	0.4022	2.7179	0.9444	0.8287
0.8622	0.9984	0.3845	2.8254	0.9615	0.8691	0.8424	0.9974	0.3903	2.7884	0.9545	0.8540
0.9134	0.9993	0.3733	2.8955	0.9709	0.8953	0.8901	0.9984	0.3776	2.8669	0.9651	0.8825
0.9559	1.0005	0.3645	2.9523	0.9781	0.9170	0.9393	0.9990	0.3653	2.9453	0.9752	0.9126
1.0088	1.0011	0.3544	3.0189	0.9863	0.9430	0.9789	0.9995	0.3574	2.9971	0.9817	0.9327
1.0543	1.0014	0.3482	3.0618	0.9914	0.9601	1.0282	1.0000	0.3478	3.0618	0.9894	0.9582
1.1000	1.0018	0.3431	3.0976	0.9955	0.9745	1.0707	1.0004	0.3422	3.1012	0.9939	0.9742
1.1532	1.0021	0.3394	3.1238	0.9985	0.9852	1.1148	1.0006	0.3387	3.1262	0.9967	0.9842
1.2021	1.0021	0.3378	3.1354	0.9998	0.9899	1.1632	1.0010	0.3366	3.1414	0.9984	0.9906
1.2527	1.0019	0.3368	3.1424	1.0006	0.9928	1.2134	1.0014	0.3357	3.1475	0.9991	0.9921
1.3015	1.0023	0.3366	3.1448	1.0009	0.9958	1.2577	1.0012	0.3354	3.1502	0.9994	0.9942
1.3528	1.0023	0.3365	3.1455	1.0009	0.9941	1.3482	1.0014	0.3351	3.1529	0.9997	0.9953
1.4025	1.0025	0.3365	3.1455	1.0009	0.9941	1.4411	1.0014	0.3347	3.1556	1.0000	0.9964
1.4518	1.0025	0.3364	3.1462	1.0010	0.9944	1.5430	1.0014	0.3342	3.1550	0.9999	0.9961
1.5561	1.0029	0.3365	3.1469	1.0011	0.9946	1.6316	1.0012	0.3344	3.1573	1.0002	0.9971
1.6597	1.0029	0.3363	3.1478	1.0012	0.9950	1.8621	1.0012	0.3342	3.1590	1.0004	0.9978
1.7595	1.0031	0.3362	3.1492	1.0013	0.9956						
2.0025	1.0032	0.3361	3.1503	1.0014	0.9961						

MACH = 3.00 ALPHA = 6.34 RPM = 20000				PO = 298.4 KPA Z/D = 4.44 PW = 6.36 KPA				TO = 308.7 K PHI = 210 REL = 7254055			
Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE	Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE
0.0000	0.9200	0.9200	0.0000	0.0000	0.3620	0.0000	0.9200	0.9200	0.0000	0.0000	0.3620
0.0173	0.9597	0.8012	0.9945	0.4889	0.4166	0.0443	0.9632	0.7737	1.1066	0.5335	0.4305
0.0438	0.9652	0.7645	1.1457	0.5501	0.4367	0.0727	0.9668	0.7479	1.2098	0.5734	0.4454
0.0792	0.9689	0.7320	1.2723	0.5977	0.4561	0.1085	0.9696	0.7234	1.3044	0.6081	0.4605
0.1167	0.9721	0.7028	1.3642	0.6372	0.4750	0.1496	0.9722	0.7003	1.3934	0.6390	0.4758
0.1635	0.9748	0.6757	1.4876	0.6715	0.4940	0.1866	0.9743	0.6786	1.4760	0.6664	0.4905
0.2007	0.9770	0.6520	1.5786	0.7000	0.5120	0.2339	0.9765	0.6561	1.5624	0.6936	0.5078
0.2516	0.9795	0.6261	1.6800	0.7299	0.5332	0.2728	0.9782	0.6360	1.6403	0.7169	0.5238
0.2961	0.9815	0.6052	1.7632	0.7531	0.5518	0.3208	0.9804	0.6121	1.7347	0.7438	0.5442
0.3355	0.9833	0.5860	1.8411	0.7737	0.5700	0.3590	0.9821	0.5921	1.8150	0.7654	0.5627
0.3861	0.9854	0.5606	1.9464	0.8000	0.5958	0.4025	0.9840	0.5721	1.8973	0.7864	0.5825
0.4274	0.9869	0.5407	2.0316	0.8200	0.6178	0.4412	0.9856	0.5510	1.9860	0.8078	0.6048
0.4801	0.9886	0.5181	2.1316	0.8422	0.6448	0.4892	0.9874	0.5275	2.0880	0.8310	0.6317
0.5276	0.9903	0.4980	2.2232	0.8612	0.6708	0.5337	0.9889	0.5078	2.1763	0.8499	0.6562
0.5755	0.9915	0.4782	2.3161	0.8794	0.6982	0.5799	0.9905	0.4862	2.2771	0.8701	0.6852
0.6237	0.9931	0.4592	2.4097	0.8966	0.7271	0.6252	0.9917	0.4689	2.3610	0.8859	0.7106
0.6716	0.9944	0.4425	2.4949	0.9114	0.7543	0.6675	0.9931	0.4494	2.4592	0.9034	0.7414
0.7165	0.9955	0.4260	2.5853	0.9262	0.7842	0.7080	0.9942	0.4334	2.5434	0.9175	0.7688
0.7655	0.9966	0.4099	2.6754	0.9401	0.8152	0.7473	0.9953	0.4185	2.6250	0.9305	0.7963
0.8169	0.9977	0.3963	2.7545	0.9517	0.8432	0.8026	0.9964	0.4022	2.7179	0.9444	0.8287
0.8622	0.9984	0.3845	2.8254	0.9615	0.8691	0.8424	0.9974	0.3903	2.7884	0.9545	0.8540
0.9134	0.9993	0.3733	2.8955	0.9709	0.8953	0.8901	0.9984	0.3776	2.8669	0.9651	0.8825
0.9559	1.0005	0.3645	2.9523	0.9781	0.9170	0.9393	0.9990	0.3653	2.9453	0.9752	0.9126
1.0088	1.0011	0.3544	3.0189	0.9863	0.9430	0.9789	0.9995	0.3574	2.9971	0.9817	0.9327
1.0543	1.0014	0.3482	3.0618	0.9914	0.9601	1.0282	1.0000	0.3478	3.0618	0.9894	0.9582
1.1000	1.0018	0.3431	3.0976	0.9955	0.9745	1.0707	1.0004	0.3422	3.1012	0.9939	0.9742
1.1532	1.0021	0.3394	3.1238	0.9985	0.9852	1.1148	1.0006	0.3387	3.1262	0.9967	0.9842
1.2021	1.0021	0.3378	3.1354	0.9998	0.9899	1.1632	1.0010	0.3366	3.1414	0.9984	0.9906
1.2527	1.0019	0.3368	3.1424	1.0006	0.9928	1.2134	1.0014	0.3357	3.1475	0.9991	0.9921
1.3015	1.0023	0.3366	3.1448	1.0009	0.9958	1.2577	1.0012	0.3354	3.1502	0.9994	0.9942
1.3528	1.0023	0.3365	3.1455	1.0009	0.9941	1.3482	1.0014	0.3351	3.1529	0.9997	0.9953
1.4025	1.0025	0.3365	3.1455	1.0009	0.9941	1.4411	1.0014	0.3347	3.1556	1.0000	0.9964
1.4518	1.0025	0.3364	3.1462	1.0010	0.9944	1.5430	1.0014	0.3342	3.1550	0.9999	0.9961
1.5561	1.0029	0.3365	3.1469	1.0011	0.9946	1.6316	1.0012	0.3344	3.1573	1.0002	0.9971
1.6597	1.0029	0.3363	3.1478	1.0012	0.9950	1.8621	1.0012	0.3342	3.1590	1.0004	0.9978
1.7595	1.0031	0.3362	3.1492	1.0013	0.9956						
2.0025	1.0032	0.3361	3.1503	1.0014	0.9961						

MACH = 3.00 ALPHA = 6.34 RPM = 20000				PO = 298.4 KPA Z/D = 4.44 PW = 6.36 KPA				TO = 308.7 K PHI = 210 REL = 7254055			
Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE	Y/DEL	TT/TQ	T/TQ	P	U/UE	RHO/RHOE
0.0000	0.9200	0.9200	0.0000	0.0000	0.3620	0.0000	0.9200	0.9200	0.0000	0.0000	0.3620
0.0173	0.9597	0.8012	0.9945	0.4889	0.4166	0.0443	0.9632	0.7737	1.1066	0.5335	0.4305
0.0438	0.9652	0.7645	1.1457	0.5501	0.4367	0.0727	0.9668	0.7479	1.2098	0.5734	0.4454
0.0792	0.9689	0.7320	1.2723	0.5977	0.4561	0.1085	0.9696	0.7234	1.3044	0.6081	0.4605
0.1167	0.9721	0.7028	1.3642	0.6372	0.4750	0.1496	0.9722	0.7003	1.3934	0.6390	0.4758
0.1635	0.9748	0.6757	1.4876	0.6715	0.4940	0.1866	0.9743	0.6786	1.4760	0.6664	0.4905
0.2007	0.9770	0.6520	1.5786	0.7000	0.5120	0.2339	0.9765	0.6561	1.5624	0.6936	0.5078
0.2516	0.9795	0.6261	1.6800	0.7299	0.5332	0.2728	0.9782	0.6360	1.6403	0.7169	0.5238
0.2961	0.9815	0.6052	1.7632	0.7531	0.5518	0.3208	0.9804	0.6121	1.7347	0.7438	0.5442
0.3355	0.9833	0.5860	1.8411	0.7737	0.5700	0.3590	0.9821	0.5921	1.8150	0.7654	0.5627
0.3861	0.9854	0.5606	1.9464	0.8000	0.5958	0.4025	0.9840	0.5721	1.8973	0.7864	0.5825
0.4274	0.9869	0.5407	2.0316	0.8200	0.6178	0.4412	0.9856	0.5510	1.9860		

MACH = 3.00 PO = 298.5 KPA TO = 306.6 K			
ALPHA = 6.34 Z/D = 4.44 PHI = 240.			
RPM = 0 PW = 5.59 KPA REL = 7341627.			
Y/DEL	TT/T0	M	U/UE
0.0000	0.9176	0.0000	0.0000
0.0250	0.9647	1.2018	0.3354
0.0500	0.9708	0.6982	0.6084
0.0750	0.9754	1.3967	0.6444
0.1000	0.9782	1.5619	0.6814
0.1250	0.9800	1.6810	0.7020
0.1500	0.9831	1.7526	0.7307
0.1750	0.9854	1.8058	0.7503
0.2000	0.9876	1.8316	0.7838
0.2250	0.9895	1.8435	0.8136
0.2500	0.9915	1.8529	0.8401
0.2750	0.9935	1.8567	0.8665
0.3000	0.9955	1.8604	0.8971
0.3250	0.9975	1.8632	0.9287
0.3500	0.9985	1.8657	0.9438
0.3750	0.9995	1.8676	0.9580
0.4000	1.0004	1.8696	0.9693
0.4250	1.0013	1.8708	0.9801
0.4500	1.0018	1.8721	0.9872
0.4750	1.0017	1.8734	0.9910
0.5000	1.0016	1.8746	0.9935
0.5250	1.0015	1.8757	0.9946
0.5500	1.0014	1.8767	0.9951
0.5750	1.0013	1.8776	0.9954
0.6000	1.0012	1.8785	0.9957
0.6250	1.0011	1.8793	0.9959
0.6500	1.0010	1.8801	0.9962
0.6750	1.0009	1.8808	0.9966
0.7000	1.0008	1.8815	0.9976
0.7250	1.0007	1.8822	0.9987
0.7500	1.0006	1.8829	0.9995
0.7750	1.0005	1.8836	1.0004
0.8000	1.0004	1.8843	1.0010
0.8250	1.0003	1.8850	0.9975
0.8500	1.0002	1.8857	0.9950
0.8750	1.0001	1.8864	0.9925
0.9000	1.0000	1.8871	0.9900
0.9250	0.9999	1.8878	0.9875
0.9500	0.9998	1.8885	0.9850
0.9750	0.9997	1.8892	0.9825
1.0000	0.9996	1.8899	0.9800
1.0250	0.9995	1.8906	0.9775
1.0500	0.9994	1.8913	0.9750
1.0750	0.9993	1.8920	0.9725
1.1000	0.9992	1.8927	0.9700
1.1250	0.9991	1.8934	0.9675
1.1500	0.9990	1.8941	0.9650
1.1750	0.9989	1.8948	0.9625
1.2000	0.9988	1.8955	0.9600
1.2250	0.9987	1.8962	0.9575
1.2500	0.9986	1.8969	0.9550
1.2750	0.9985	1.8976	0.9525
1.3000	0.9984	1.8983	0.9500
1.3250	0.9983	1.8990	0.9475
1.3500	0.9982	1.8997	0.9450
1.3750	0.9981	1.9004	0.9425
1.4000	0.9980	1.9011	0.9400
1.4250	0.9979	1.9018	0.9375
1.4500	0.9978	1.9025	0.9350
1.4750	0.9977	1.9032	0.9325
1.5000	0.9976	1.9039	0.9300
1.5250	0.9975	1.9046	0.9275
1.5500	0.9974	1.9053	0.9250
1.5750	0.9973	1.9060	0.9225
1.6000	0.9972	1.9067	0.9200
1.6250	0.9971	1.9074	0.9175
1.6500	0.9970	1.9081	0.9150
1.6750	0.9969	1.9088	0.9125
1.7000	0.9968	1.9095	0.9100
1.7250	0.9967	1.9102	0.9075
1.7500	0.9966	1.9109	0.9050
1.7750	0.9965	1.9116	0.9025
1.8000	0.9964	1.9123	0.9000
1.8250	0.9963	1.9130	0.8975
1.8500	0.9962	1.9137	0.8950
1.8750	0.9961	1.9144	0.8925
1.9000	0.9960	1.9151	0.8900
1.9250	0.9959	1.9158	0.8875
1.9500	0.9958	1.9165	0.8850
1.9750	0.9957	1.9172	0.8825
2.0000	0.9956	1.9179	0.8800
2.0250	0.9955	1.9186	0.8775
2.0500	0.9954	1.9193	0.8750
2.0750	0.9953	1.9200	0.8725
2.1000	0.9952	1.9207	0.8700
2.1250	0.9951	1.9214	0.8675
2.1500	0.9950	1.9221	0.8650
2.1750	0.9949	1.9228	0.8625
2.2000	0.9948	1.9235	0.8600
2.2250	0.9947	1.9242	0.8575
2.2500	0.9946	1.9249	0.8550
2.2750	0.9945	1.9256	0.8525
2.3000	0.9944	1.9263	0.8500
2.3250	0.9943	1.9270	0.8475
2.3500	0.9942	1.9277	0.8450
2.3750	0.9941	1.9284	0.8425
2.4000	0.9940	1.9291	0.8400
2.4250	0.9939	1.9298	0.8375
2.4500	0.9938	1.9305	0.8350
2.4750	0.9937	1.9312	0.8325
2.5000	0.9936	1.9319	0.8300
2.5250	0.9935	1.9326	0.8275
2.5500	0.9934	1.9333	0.8250
2.5750	0.9933	1.9340	0.8225
2.6000	0.9932	1.9347	0.8200
2.6250	0.9931	1.9354	0.8175
2.6500	0.9930	1.9361	0.8150
2.6750	0.9929	1.9368	0.8125
2.7000	0.9928	1.9375	0.8100
2.7250	0.9927	1.9382	0.8075
2.7500	0.9926	1.9389	0.8050
2.7750	0.9925	1.9396	0.8025
2.8000	0.9924	1.9403	0.8000
2.8250	0.9923	1.9410	0.7975
2.8500	0.9922	1.9417	0.7950
2.8750	0.9921	1.9424	0.7925
2.9000	0.9920	1.9431	0.7900
2.9250	0.9919	1.9438	0.7875
2.9500	0.9918	1.9445	0.7850
2.9750	0.9917	1.9452	0.7825
3.0000	0.9916	1.9459	0.7800
3.0250	0.9915	1.9466	0.7775
3.0500	0.9914	1.9473	0.7750
3.0750	0.9913	1.9480	0.7725
3.1000	0.9912	1.9487	0.7700
3.1250	0.9911	1.9494	0.7675
3.1500	0.9910	1.9501	0.7650
3.1750	0.9909	1.9508	0.7625
3.2000	0.9908	1.9515	0.7600
3.2250	0.9907	1.9522	0.7575
3.2500	0.9906	1.9529	0.7550
3.2750	0.9905	1.9536	0.7525
3.3000	0.9904	1.9543	0.7500
3.3250	0.9903	1.9550	0.7475
3.3500	0.9902	1.9557	0.7450
3.3750	0.9901	1.9564	0.7425
3.4000	0.9900	1.9571	0.7400
3.4250	0.9899	1.9578	0.7375
3.4500	0.9898	1.9585	0.7350
3.4750	0.9897	1.9592	0.7325
3.5000	0.9896	1.9599	0.7300
3.5250	0.9895	1.9606	0.7275
3.5500	0.9894	1.9613	0.7250
3.5750	0.9893	1.9620	0.7225
3.6000	0.9892	1.9627	0.7200
3.6250	0.9891	1.9634	0.7175
3.6500	0.9890	1.9641	0.7150
3.6750	0.9889	1.9648	0.7125
3.7000	0.9888	1.9655	0.7100
3.7250	0.9887	1.9662	0.7075
3.7500	0.9886	1.9669	0.7050
3.7750	0.9885	1.9676	0.7025
3.8000	0.9884	1.9683	0.7000
3.8250	0.9883	1.9690	0.6975
3.8500	0.9882	1.9697	0.6950
3.8750	0.9881	1.9704	0.6925
3.9000	0.9880	1.9711	0.6900
3.9250	0.9879	1.9718	0.6875
3.9500	0.9878	1.9725	0.6850
3.9750	0.9877	1.9732	0.6825
4.0000	0.9876	1.9739	0.6800
4.0250	0.9875	1.9746	0.6775
4.0500	0.9874	1.9753	0.6750
4.0750	0.9873	1.9760	0.6725
4.1000	0.9872	1.9767	0.6700
4.1250	0.9871	1.9774	0.6675
4.1500	0.9870	1.9781	0.6650
4.1750	0.9869	1.9788	0.6625
4.2000	0.9868	1.9795	0.6600
4.2250	0.9867	1.9802	0.6575
4.2500	0.9866	1.9809	0.6550
4.2750	0.9865	1.9816	0.6525
4.3000	0.9864	1.9823	0.6500
4.3250	0.9863	1.9830	0.6475
4.3500	0.9862	1.9837	0.6450
4.3750	0.9861	1.9844	0.6425
4.4000	0.9860	1.9851	0.6400
4.4250	0.9859	1.9858	0.6375
4.4500	0.9858	1.9865	0.6350
4.4750	0.9857	1.9872	0.6325
4.5000	0.9856	1.9879	0.6300
4.5250	0.9855	1.9886	0.6275
4.5500	0.9854	1.9893	0.6250
4.5750	0.9853	1.9900	0.6225
4.6000	0.9852	1.9907	0.6200
4.6250	0.9851	1.9914	0.6175
4.6500	0.9850	1.9921	0.6150
4.6750	0.9849	1.9928	0.6125
4.7000	0.9848	1.9935	0.6100
4.7250	0.9847	1.9942	0.6075
4.7500	0.9846	1.9949	0.6050
4.7750	0.9845	1.9956	0.6025
4.8000	0.9844	1.9963	0.6000
4.8250	0.9843	1.9970	0.5975
4.8500	0.9842	1.9977	0.5950
4.8750	0.9841	1.9984	0.5925
4.9000	0.9840	1.9991	0.5900
4.9250	0.9839	1.9998	0.5875
4.9500	0.9838	2.0005	0.5850
4.9750	0.9837	2.0012	0.5825
5.0000	0.9836	2.0019	0.5800
5.0250	0.9835	2.0026	0.5775
5.0500	0.9834	2.0033	0.5750
5.0750	0.9833	2.0040	0.5725
5.1000	0.9832	2.0047	0.5700
5.1250	0.9831	2.0054	0.5675
5.1500	0.9830	2.0061	0.5650
5.1750	0.9829	2.0068	0.5625
5.2000	0.9828	2.0075	0.5600
5.2250	0.9827	2.0082	0.5575
5.2500	0.9826	2.0089	0.5550
5.2750	0.9825	2.0096	0.5525
5.3000	0.9824	2.0103	0.5500
5.3250	0.9823	2.0110	0.5475
5.3500	0.9822	2.0117	0.5450
5.3750	0.9821	2.0124	0.5425
5.4000	0.9820	2.0131	0.5400
5.4250	0.9819	2.0138	0.5375
5.4500	0.9818	2.0145	0.5350
5.4750	0.9817	2.0152	0.5325
5.5000	0.9816	2.0159	0.5300
5.5250	0.9815	2.0166	0.5275
5.5500	0.9814	2.0173	0.5250
5.5750	0.9813	2.0180	0.5225
5.6000	0.9812	2.0187	0.5200
5.6250	0.9811	2.0194	0.5175
5.6500	0.9810	2.0201	0.5150
5.6750	0.9809	2.0208	0.5125
5.7000	0.9808	2.0215	0.5100
5.7250	0.9807	2.0222	0.5075
5.7500	0.9806	2.0229	0.5050
5.7750	0.9805	2.0236	0.5025
5.8000	0.9804	2.0243	0.5000
5.8250	0.9803	2.0250	0.4975
5.8500	0.9802	2.0257	0.4950
5.8750	0.9801	2.0264	0.4925
5.9000	0.9800	2.0271	0.4900
5.9250	0.9799	2.0278	0.4875
5.9500	0.9798	2.0285	0.4850
5.9750	0.9797	2.0292	0.4825
6.0000	0.9796	2.0299	0.4800
6.0250	0.9795	2.0306	0.4775
6.0500	0.9794	2.0313	0.4750
6.0750	0.9793	2.0320	0.4725
6.1000	0.9792	2.0327	0.4700
6.1250	0.9791	2.0334	0.4675
6.1500	0.9790	2.0341	0.4650
6.1750	0.9789	2.0348	0.4625
6.2000	0		

MACH = 3.00 PO = 298.4 KPA TO = 308.2 K
 ALPHA = 6.34 Z/D = 4.44 PHI = 300.
 RPM = 0.00 PW = 6.92 KPA REL = 7259463.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9198	0.9198	0.0000	0.0000	0.3610
0.0408	0.9679	0.9763	1.2540	0.5893	0.4510
0.0530	0.9708	0.7094	1.3574	0.6261	0.4621
0.0712	0.9732	0.6873	1.4424	0.6548	0.4833
0.1206	0.9779	0.6352	1.6425	0.7169	0.5228
0.1425	0.9805	0.6062	1.7571	0.7492	0.5478
0.1644	0.9820	0.5882	1.8296	0.7685	0.5645
0.1801	0.9838	0.5713	1.8998	0.7863	0.5814
0.2083	0.9849	0.5550	1.9677	0.8028	0.5984
0.2492	0.9869	0.5287	2.0815	0.8288	0.6282
0.3124	0.9889	0.5043	2.1919	0.8523	0.6587
0.3726	0.9902	0.4855	2.2780	0.8695	0.6836
0.4299	0.9907	0.4762	2.3244	0.8783	0.6974
0.4714	0.9917	0.4632	2.3884	0.8901	0.7170
0.5291	0.9923	0.4512	2.4490	0.9008	0.7360
0.5902	0.9938	0.4317	2.5516	0.9181	0.7652
0.6483	0.9949	0.4192	2.6206	0.9290	0.7925
0.7032	0.9957	0.4055	2.6953	0.9403	0.8183
0.7457	0.9966	0.3951	2.7588	0.9495	0.8408
0.7914	0.9969	0.3877	2.8029	0.9556	0.8568
0.8335	0.9981	0.3720	2.9011	0.9687	0.8932
0.9092	0.9984	0.3676	2.9288	0.9723	0.9037
0.9555	0.9992	0.3583	2.9907	0.9800	0.9275
1.0083	0.9992	0.3509	3.0392	0.9858	0.9466
1.0680	0.9996	0.3452	3.0788	0.9905	0.9623
1.1916	1.0001	0.3401	3.1151	0.9946	0.9769
1.3074	1.0003	0.3375	3.1332	0.9966	0.9842
1.4099	1.0003	0.3365	3.1403	0.9974	0.9872
1.5332	1.0003	0.3362	3.1428	0.9977	0.9882
1.6292	1.0004	0.3357	3.1462	0.9981	0.9896
1.7565	1.0004	0.3355	3.1453	0.9980	0.9903
1.8633	1.0006	0.3356	3.1478	0.9982	0.9903
2.0950	1.0008	0.3345	3.1527	0.9988	0.9923
2.3341	1.0006	0.3346	3.1549	0.9990	0.9932
2.6623	1.0010	0.3339	3.1608	0.9997	0.9956

DEL = 0.1870 DELL = 0.264
 THETA = 0.1195 H = 5.687
 RHOE = 0.2359 KG/M**3

MACH = 3.00 PO = 298.3 KPA TO = 308.2 K
 ALPHA = 6.34 Z/D = 4.44 PHI = 300.
 RPM = 2000.0 PW = 6.92 KPA REL = 7259463.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9199	0.9199	0.0000	0.0000	0.3618
0.0557	0.9742	0.6742	1.4914	0.6706	0.4526
0.1193	0.9775	0.6384	1.6295	0.7130	0.5212
0.1405	0.9794	0.6195	1.7044	0.7346	0.5373
0.1719	0.9817	0.5921	1.8140	0.7643	0.5622
0.1998	0.9834	0.5707	1.9017	0.7867	0.5832
0.2684	0.9878	0.5126	2.1529	0.8441	0.6492
0.3685	0.9904	0.4760	2.3247	0.8783	0.6821
0.4694	0.9913	0.4637	2.3850	0.8894	0.7176
0.5136	0.9922	0.4364	2.4357	0.8984	0.7325
0.5741	0.9933	0.4364	2.5259	0.9138	0.7626
0.6284	0.9942	0.4262	2.5515	0.9243	0.7845
0.6732	0.9948	0.4120	2.6596	0.9343	0.8077
0.7375	0.9960	0.3962	2.7514	0.9483	0.8401
0.7955	0.9965	0.3851	2.8175	0.9575	0.8641
0.8344	0.9973	0.3762	2.8730	0.9650	0.8847
0.9025	0.9980	0.3656	2.9407	0.9737	0.9103
0.9580	0.9985	0.3570	2.9974	0.9807	0.9222
1.0103	0.9989	0.3505	3.0412	0.9860	0.9455
1.0661	0.9994	0.3457	3.0751	0.9899	0.9620
1.1818	0.9997	0.3401	3.1138	0.9944	0.9787
1.2825	0.9997	0.3375	3.1323	0.9964	0.9862
1.3943	1.0000	0.3367	3.1382	0.9971	0.9886
1.4925	0.9998	0.3362	3.1413	0.9974	0.9899
1.6282	0.9998	0.3355	3.1438	0.9977	0.9909
1.8564	0.9999	0.3354	3.1475	0.9981	0.9924
2.0753	1.0001	0.3348	3.1518	0.9986	0.9942
2.3083	1.0001	0.3344	3.1552	0.9990	0.9956
2.6467	1.0001	0.3337	3.1599	0.9995	0.9975

DEL = 0.1891 DELL = 0.287
 THETA = 0.1180 H = 5.885
 RHOE = 0.2355 KG/M**3

DEL = 0.0654 CM
 UE = 642.7 M/SEC
 RUN = 4114

MACH = 3.60 PO = 297.9 KPA TO = 306.2 K
 ALPHA = 6.34 Z/O = 4.44 PHI = 330.
 RPM = G. PW = 8.16 KPA REL = 7318542.

V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE
0.306C	0.9226	0.9228	0.0000	0.0000	0.3868
0.306C	0.9713	0.7253	1.3022	0.6186	0.4921
0.0454	0.9723	0.7153	1.3405	0.6324	0.4950
0.0724	0.9723	0.6812	1.4704	0.6770	0.5240
0.0731	0.9757	0.6812	1.4704	0.6770	0.5240
0.113C	0.9787	0.6490	1.5939	0.7163	0.5500
0.1265	0.9809	0.6268	1.6804	0.7421	0.5655
0.1455	0.9829	0.6000	1.7864	0.7719	0.5949
0.1878	0.9855	0.5727	1.8583	0.8013	0.6235
0.230C	0.9874	0.5458	2.0113	0.8288	0.6541
0.2569	0.9883	0.5312	2.0742	0.8433	0.6719
0.3128	0.9896	0.5157	2.1435	0.8586	0.6922
0.3618	0.9909	0.4975	2.2250	0.8757	0.7170
0.425C	0.9915	0.4837	2.2918	0.8891	0.7380
0.4956	0.9925	0.4715	2.3496	0.9002	0.7567
0.538C	0.9937	0.4606	2.4057	0.9106	0.7752
0.6152	0.9950	0.4411	2.5055	0.9281	0.8054
0.6733	0.9957	0.4274	2.5786	0.9403	0.8353
0.7305	0.9964	0.4168	2.6370	0.9496	0.8566
0.7952	0.9973	0.4026	2.7176	0.9618	0.8867
0.8528	0.9980	0.3920	2.7800	0.9709	0.9106
0.9252	0.9988	0.3823	2.8397	0.9792	0.9340
0.9906	0.9992	0.3766	2.8753	0.9841	0.9482
1.027C	0.9993	0.3705	2.9107	0.9887	0.9625
1.1568	1.0000	0.3625	2.9651	0.9958	0.9849
1.2767	1.0000	0.3596	2.9840	0.9981	0.9927
1.4104	1.0001	0.3584	2.9923	0.9992	0.9942
1.5166	1.0001	0.3581	2.9942	0.9994	0.9970
1.6687	1.0001	0.3580	2.9950	0.9995	0.9973
1.783C	1.0003	0.3579	2.9958	0.9996	0.9977
1.8855	1.0003	0.3575	2.9958	0.9996	0.9977
2.1582	1.0002	0.3575	2.9977	0.9998	0.9985
2.4238	1.0004	0.3572	3.0002	1.0001	0.9995

CEL = 0.1679 DELU = 0.227 DEL* = 0.559 CM
 THETA = 0.0067 H = 5.237 UE = 628.8 M/SEC
 RHOE = 0.2608 KG/M**3 RUN = 4105

MACH = 3.00 ALPHA = 0.00 RPM = 0.				PO = 296.4 KPA Z/C = 5.56 PM = 7.33 KPA				TO = 307.2 K PHI = 0. REL = 7295567.				MACH = 3.00 ALPHA = 0.00 RPM = 0.				PO = 296.3 KPA Z/C = 5.56 PM = 7.32 KPA				TO = 312.2 K PHI = 30. REL = 7409086.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9216	0.9218	0.0000	0.0000	0.3782	0.0000	0.9214	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.9214	0.0000	0.0000	0.3742
0.0226	0.9613	0.8002	1.0030	0.4973	0.4355	0.0187	0.9563	0.8330	0.8605	0.4345	0.4140	0.0187	0.9563	0.8330	0.8605	0.4345	0.4140	0.0187	0.9563	0.8330	0.8605	0.4345	0.4140
0.0295	0.9631	0.7868	1.0586	0.5204	0.4430	0.0626	0.9715	0.7156	1.3371	0.6258	0.4819	0.0626	0.9715	0.7156	1.3371	0.6258	0.4819	0.0626	0.9715	0.7156	1.3371	0.6258	0.4819
0.0468	0.9889	0.7395	1.2441	0.5931	0.4712	0.0979	0.9770	0.6598	1.5503	0.6967	0.5227	0.0979	0.9770	0.6598	1.5503	0.6967	0.5227	0.0979	0.9770	0.6598	1.5503	0.6967	0.5227
0.0711	0.9740	0.6913	1.4299	0.6589	0.5033	0.1958	0.9821	0.6281	1.6732	0.7337	0.5450	0.1958	0.9821	0.6281	1.6732	0.7337	0.5450	0.1958	0.9821	0.6281	1.6732	0.7337	0.5450
0.1025	0.9776	0.6531	1.5764	0.7060	0.5338	0.2461	0.9836	0.5852	1.7765	0.7626	0.5728	0.2461	0.9836	0.5852	1.7765	0.7626	0.5728	0.2461	0.9836	0.5852	1.7765	0.7626	0.5728
0.1446	0.9804	0.6202	1.7038	0.7437	0.5620	0.2822	0.9845	0.5574	1.8446	0.7921	0.6034	0.2822	0.9845	0.5574	1.8446	0.7921	0.6034	0.2822	0.9845	0.5574	1.8446	0.7921	0.6034
0.1815	0.9821	0.5996	1.7859	0.7665	0.5813	0.3457	0.9860	0.5400	1.9889	0.8098	0.6185	0.3457	0.9860	0.5400	1.9889	0.8098	0.6185	0.3457	0.9860	0.5400	1.9889	0.8098	0.6185
0.2488	0.9841	0.5745	1.8864	0.7928	0.6032	0.4032	0.9874	0.5191	2.0354	0.8274	0.6389	0.4032	0.9874	0.5191	2.0354	0.8274	0.6389	0.4032	0.9874	0.5191	2.0354	0.8274	0.6389
0.3041	0.9852	0.5592	1.9516	0.8089	0.6232	0.4619	0.9892	0.4903	2.1281	0.8480	0.6648	0.4619	0.9892	0.4903	2.1281	0.8480	0.6648	0.4619	0.9892	0.4903	2.1281	0.8480	0.6648
0.3634	0.9865	0.5446	2.0142	0.8238	0.6400	0.5256	0.9910	0.4705	2.2324	0.8698	0.6924	0.5256	0.9910	0.4705	2.2324	0.8698	0.6924	0.5256	0.9910	0.4705	2.2324	0.8698	0.6924
0.4158	0.9876	0.5295	2.0800	0.8389	0.6553	0.5894	0.9926	0.4478	2.3556	0.8937	0.7334	0.5894	0.9926	0.4478	2.3556	0.8937	0.7334	0.5894	0.9926	0.4478	2.3556	0.8937	0.7334
0.4832	0.9890	0.5105	2.1649	0.8573	0.6828	0.6590	0.9944	0.4285	2.4706	0.9143	0.7708	0.6590	0.9944	0.4285	2.4706	0.9143	0.7708	0.6590	0.9944	0.4285	2.4706	0.9143	0.7708
0.5474	0.9905	0.4900	2.2597	0.8768	0.7113	0.7212	0.9958	0.4108	2.5706	0.9311	0.8047	0.7212	0.9958	0.4108	2.5706	0.9311	0.8047	0.7212	0.9958	0.4108	2.5706	0.9311	0.8047
0.6028	0.9920	0.4713	2.3593	0.8942	0.7357	0.7911	0.9970	0.3831	2.6712	0.9468	0.8463	0.7911	0.9970	0.3831	2.6712	0.9468	0.8463	0.7911	0.9970	0.3831	2.6712	0.9468	0.8463
0.6725	0.9934	0.4488	2.4631	0.9146	0.7766	0.8498	0.9979	0.3697	2.7508	0.9586	0.8654	0.8498	0.9979	0.3697	2.7508	0.9586	0.8654	0.8498	0.9979	0.3697	2.7508	0.9586	0.8654
0.7236	0.9946	0.4311	2.5563	0.9303	0.8025	0.9106	0.9990	0.3591	2.8348	0.9703	0.9010	0.9106	0.9990	0.3591	2.8348	0.9703	0.9010	0.9106	0.9990	0.3591	2.8348	0.9703	0.9010
0.7895	0.9960	0.4115	2.6626	0.9471	0.8463	0.9750	0.9998	0.3525	2.9190	0.9815	0.9328	0.9750	0.9998	0.3525	2.9190	0.9815	0.9328	0.9750	0.9998	0.3525	2.9190	0.9815	0.9328
0.8562	0.9970	0.3944	2.7641	0.9621	0.8835	1.0127	1.0005	0.3497	3.0322	0.9956	0.9752	1.0127	1.0005	0.3497	3.0322	0.9956	0.9752	1.0127	1.0005	0.3497	3.0322	0.9956	0.9752
0.9096	0.9975	0.3815	2.8400	0.9814	0.9135	1.0416	1.0011	0.3477	3.0615	0.9996	0.9920	1.0416	1.0011	0.3477	3.0615	0.9996	0.9920	1.0416	1.0011	0.3477	3.0615	0.9996	0.9920
0.9697	0.9984	0.3712	2.9060	0.9933	0.9634	1.0732	1.0013	0.3476	3.0667	0.9997	0.9934	1.0732	1.0013	0.3476	3.0667	0.9997	0.9934	1.0732	1.0013	0.3476	3.0667	0.9997	0.9934
1.0333	0.9992	0.3615	2.9675	0.9893	0.9934	1.1032	1.0015	0.3475	3.0678	0.9998	0.9939	1.1032	1.0015	0.3475	3.0678	0.9998	0.9939	1.1032	1.0015	0.3475	3.0678	0.9998	0.9939
1.1046	0.9995	0.3568	3.0008	0.9934	0.9770	1.1232	1.0015	0.3475	3.0678	0.9998	0.9939	1.1232	1.0015	0.3475	3.0678	0.9998	0.9939	1.1232	1.0015	0.3475	3.0678	0.9998	0.9939
1.1754	0.9998	0.3522	3.0323	0.9973	0.9855	1.1446	1.0015	0.3475	3.0678	0.9998	0.9939	1.1446	1.0015	0.3475	3.0678	0.9998	0.9939	1.1446	1.0015	0.3475	3.0678	0.9998	0.9939
1.2310	1.0001	0.3502	3.0461	0.9989	0.9957	1.1646	1.0015	0.3475	3.0678	0.9998	0.9939	1.1646	1.0015	0.3475	3.0678	0.9998	0.9939	1.1646	1.0015	0.3475	3.0678	0.9998	0.9939
1.2985	1.0001	0.3490	3.0542	0.9999	0.9950	1.1838	1.0015	0.3475	3.0678	0.9998	0.9939	1.1838	1.0015	0.3475	3.0678	0.9998	0.9939	1.1838	1.0015	0.3475	3.0678	0.9998	0.9939
1.3700	1.0000	0.3486	3.0566	1.0002	1.0000	1.2038	1.0015	0.3475	3.0678	0.9998	0.9939	1.2038	1.0015	0.3475	3.0678	0.9998	0.9939	1.2038	1.0015	0.3475	3.0678	0.9998	0.9939
1.4894	1.0002	0.3485	3.0578	1.0003	1.0005	1.2232	1.0015	0.3475	3.0678	0.9998	0.9939	1.2232	1.0015	0.3475	3.0678	0.9998	0.9939	1.2232	1.0015	0.3475	3.0678	0.9998	0.9939
1.6223	1.0002	0.3486	3.0572	1.0002	1.0002	1.2432	1.0015	0.3475	3.0678	0.9998	0.9939	1.2432	1.0015	0.3475	3.0678	0.9998	0.9939	1.2432	1.0015	0.3475	3.0678	0.9998	0.9939
1.7577	1.0002	0.3486	3.0569	1.0002	1.0002	1.2632	1.0015	0.3475	3.0678	0.9998	0.9939	1.2632	1.0015	0.3475	3.0678	0.9998	0.9939	1.2632	1.0015	0.3475	3.0678	0.9998	0.9939
1.8913	1.0002	0.3486	3.0572	1.0002	1.0002	1.2832	1.0015	0.3475	3.0678	0.9998	0.9939	1.2832	1.0015	0.3475	3.0678	0.9998	0.9939	1.2832	1.0015	0.3475	3.0678	0.9998	0.9939
2.0287	1.0002	0.3486	3.0560	1.0001	0.9998	1.3032	1.0015	0.3475	3.0678	0.9998	0.9939	1.3032	1.0015	0.3475	3.0678	0.9998	0.9939	1.3032	1.0015	0.3475	3.0678	0.9998	0.9939
2.1615	1.0002	0.3486	3.0557	1.0001	0.9998	1.3232	1.0015	0.3475	3.0678	0.9998	0.9939	1.3232	1.0015	0.3475	3.0678	0.9998	0.9939	1.3232	1.0015	0.3475	3.0678	0.9998	0.9939
2.2943	1.0002	0.3486	3.0557	1.0001	0.9998	1.3432	1.0015	0.3475	3.0678	0.9998	0.9939	1.3432	1.0015	0.3475	3.0678	0.9998	0.9939	1.3432	1.0015	0.3475	3.0678	0.9998	0.9939
2.4271	1.0002	0.3486	3.0557	1.0001	0.9998	1.3632	1.0015	0.3475	3.0678	0.9998	0.9939	1.3632	1.0015	0.3475	3.0678	0.9998	0.9939	1.3632	1.0015	0.3475	3.0678	0.9998	0.9939
2.5600	1.0002	0.3486	3.0557	1.0001	0.9998	1.3832	1.0015	0.3475	3.0678	0.9998	0.9939	1.3832	1.0015	0.3475	3.0678	0.9998	0.9939	1.3832	1.0015	0.3475	3.0678	0.9998	0.9939
2.6928	1.0002	0.3486	3.0557	1.0001	0.9998	1.4032	1.0015	0.3475	3.0678	0.9998	0.9939	1.4032	1.0015	0.3475	3.0678	0.9998	0.9939	1.4032	1.0015	0.3475	3.0678	0.9998	0.9939
2.8256	1.0002	0.3486	3.0557	1.0001	0.9998	1.4232	1.0015	0.3475	3.0678	0.9998	0.9939	1.4232	1.0015	0.3475	3.0678	0.9998	0.9939	1.4232	1.0015	0.3475	3.0678	0.9998	0.9939
2.9584	1.0002	0.3486	3.0557	1.0001	0.9998	1.4432	1.0015	0.3475	3.0678	0.9998	0.9939	1.4432	1.0015	0.3475	3.0678	0.9998	0.9939	1.4432	1.0015	0.3475	3.0678	0.9998	0.9939
3.0912	1.0002	0.3486	3.0557	1.0001	0.9998	1.4632	1.0015	0.3475	3.0678	0.9998	0.9939	1.4632	1.0015	0.3475	3.0678	0.9998	0.9939	1.4632	1.0015	0.3475	3.0678	0.9998	0.9939
3.2240	1.0002	0.3486	3.0557	1.0001	0.9998	1.4832	1.0015	0.3475	3.0678	0.9998	0.9939	1.4832	1.0015	0.3475	3.0678	0.9998	0.9939	1.4832	1.0015	0.3475	3.0678	0.9998	0.9939
3.3568	1.0002	0.3486	3.0557	1.0001	0.9998	1.5032	1.0015	0.3475	3.0678	0.9998	0.9939	1.5032	1.0015	0.3475	3.0678	0.9998	0.9939	1.5032	1.0015	0.3475	3.0678	0.9998	0.9939
3.4896	1.0002	0.3486	3.0557	1.0001	0.9998	1.5232	1.0015	0.3475	3.0678	0.9998	0.9939	1.5232	1.0015	0.3475	3.0678	0.9998	0.9939	1.5232	1.0015	0.3475	3.0678	0.9998	0.9939
3.6224	1.0002	0.3486	3.0557	1.0001	0.9998	1.5432	1.0015	0.3475	3.0678	0.9998	0.9939	1.5432	1.0015	0.3475	3.0678	0.9998	0.9939	1.5432	1.0015	0.3475	3.0678	0.9998	0.9939
3.7552	1.0002	0.3486	3.0557	1.0001	0.9																		

MACH = 3.00 ALPHA = 0.00 RPM = 0.				PQ = 297.8 KPA Z/D = 5.56 PM = 7.31 KPA				TC = 308.1 K PHI = 60. REL = 7246474.				PU = 298.2 KPA Z/D = 5.56 PM = 7.32 KPA				TU = 308.4 K PHI = 60. REL = 7246474.			
V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE		
0.0000	0.9216	0.9216	0.0000	0.0000	0.3715	0.0000	0.9218	0.9218	0.0000	0.0000	0.3715	0.0000	0.9218	0.9218	0.0000	0.0000	0.3715		
0.0229	0.9627	0.7910	1.0418	0.5128	0.4380	0.0212	0.9505	0.8346	0.8346	0.4380	0.4380	0.0212	0.9505	0.8346	0.8346	0.4380	0.4380		
0.0458	0.9685	0.7438	1.2290	0.5866	0.4658	0.0353	0.9616	0.9110	0.9110	0.4658	0.4658	0.0353	0.9616	0.9110	0.9110	0.4658	0.4658		
0.0687	0.9734	0.6975	1.4062	0.6500	0.4957	0.0459	0.9671	0.7552	1.1444	0.5701	0.4957	0.0459	0.9671	0.7552	1.1444	0.5701	0.4957		
0.0953	0.9765	0.6674	1.5219	0.6880	0.5152	0.0653	0.9711	0.7249	1.3029	0.6142	0.5152	0.0653	0.9711	0.7249	1.3029	0.6142	0.5152		
0.1220	0.9792	0.6378	1.6359	0.7230	0.5432	0.0931	0.9734	0.6907	1.4320	0.6490	0.5432	0.0931	0.9734	0.6907	1.4320	0.6490	0.5432		
0.1792	0.9821	0.6017	1.7779	0.7633	0.5757	0.1060	0.9762	0.6600	1.5167	0.6975	0.5757	0.1060	0.9762	0.6600	1.5167	0.6975	0.5757		
0.2421	0.9843	0.5797	1.8681	0.7870	0.5978	0.1303	0.9779	0.6499	1.5885	0.7093	0.5978	0.1303	0.9779	0.6499	1.5885	0.7093	0.5978		
0.3038	0.9856	0.5631	1.9369	0.8042	0.6154	0.1608	0.9795	0.6340	1.6597	0.7274	0.6154	0.1608	0.9795	0.6340	1.6597	0.7274	0.6154		
0.3530	0.9865	0.5496	1.9935	0.8178	0.6304	0.2119	0.9812	0.6140	1.7293	0.7504	0.6304	0.2119	0.9812	0.6140	1.7293	0.7504	0.6304		
0.4283	0.9880	0.5276	2.0889	0.8397	0.6566	0.2571	0.9830	0.5929	1.8135	0.7734	0.6566	0.2571	0.9830	0.5929	1.8135	0.7734	0.6566		
0.4820	0.9897	0.5074	2.1798	0.8593	0.6828	0.3120	0.9847	0.5711	1.9029	0.7964	0.6828	0.3120	0.9847	0.5711	1.9029	0.7964	0.6828		
0.5397	0.9909	0.4872	2.2733	0.8782	0.7109	0.3370	0.9859	0.5591	1.9537	0.8089	0.7109	0.3370	0.9859	0.5591	1.9537	0.8089	0.7109		
0.6093	0.9926	0.4632	2.3905	0.9004	0.7479	0.3917	0.9873	0.5355	2.0538	0.8324	0.7479	0.3917	0.9873	0.5355	2.0538	0.8324	0.7479		
0.6667	0.9940	0.4464	2.4766	0.9156	0.7762	0.4486	0.9890	0.5146	2.1460	0.8527	0.7762	0.4486	0.9890	0.5146	2.1460	0.8527	0.7762		
0.7397	0.9953	0.4256	2.5870	0.9340	0.8141	0.4866	0.9905	0.4970	2.2241	0.8699	0.8141	0.4866	0.9905	0.4970	2.2241	0.8699	0.8141		
0.7974	0.9965	0.4086	2.6821	0.9487	0.8480	0.5370	0.9917	0.4775	2.3205	0.8881	0.8480	0.5370	0.9917	0.4775	2.3205	0.8881	0.8480		
0.8645	0.9977	0.3930	2.7735	0.9621	0.8818	0.6005	0.9932	0.4562	2.4262	0.9075	0.8818	0.6005	0.9932	0.4562	2.4262	0.9075	0.8818		
0.9286	0.9986	0.3780	2.8650	0.9747	0.9168	0.6642	0.9943	0.4354	2.5285	0.9251	0.9168	0.6642	0.9943	0.4354	2.5285	0.9251	0.9168		
0.9867	0.9991	0.3674	2.9323	0.9835	0.9432	0.7186	0.9955	0.4211	2.6117	0.9380	0.9432	0.7186	0.9955	0.4211	2.6117	0.9380	0.9432		
1.0508	0.9996	0.3594	2.9847	0.9901	0.9642	0.7845	0.9965	0.4069	2.6716	0.9509	0.9642	0.7845	0.9965	0.4069	2.6716	0.9509	0.9642		
1.1188	1.0001	0.3537	3.0227	0.9947	0.9797	0.8484	0.9971	0.3947	2.7625	0.9612	0.9797	0.8484	0.9971	0.3947	2.7625	0.9612	0.9797		
1.1888	1.0002	0.3500	3.0479	0.9978	0.9901	0.9050	0.9978	0.3841	2.8292	0.9701	0.9901	0.9050	0.9978	0.3841	2.8292	0.9701	0.9901		
1.2512	1.0005	0.3481	3.0610	0.9993	0.9955	0.9711	0.9989	0.3714	2.9063	0.9809	0.9955	0.9711	0.9989	0.3714	2.9063	0.9809	0.9955		
1.3177	1.0007	0.3467	3.0715	1.0005	0.9999	1.0414	0.9993	0.3596	2.9825	0.9905	0.9999	1.0414	0.9993	0.3596	2.9825	0.9905	0.9999		
1.4435	1.0007	0.3467	3.0727	1.0007	1.0004	1.1577	0.9999	0.3500	3.0469	0.9984	1.0000	1.1577	0.9999	0.3500	3.0469	0.9984	1.0000		
1.7784	1.0006	0.3464	3.0712	1.0005	0.9998	1.2863	1.0002	0.3480	3.0814	1.0001	1.0004	1.2863	1.0002	0.3480	3.0814	1.0001	1.0004		
2.1182	1.0004	0.3466	3.0712	1.0005	0.9998	1.4241	1.0004	0.3476	3.0841	1.0004	1.0004	1.4241	1.0004	0.3476	3.0841	1.0004	1.0004		
2.4441	1.0007	0.3467	3.0712	1.0005	0.9998	1.7473	1.0002	0.3474	3.0853	1.0006	1.0006	1.7473	1.0002	0.3474	3.0853	1.0006	1.0006		
2.7690	1.0007	0.3467	3.0709	1.0005	0.9997	2.0496	1.0002	0.3474	3.0853	1.0006	1.0006	2.0496	1.0002	0.3474	3.0853	1.0006	1.0006		
3.0959	1.0007	0.3466	3.0703	1.0004	0.9994	2.3710	1.0002	0.3475	3.0844	1.0005	1.0005	2.3710	1.0002	0.3475	3.0844	1.0005	1.0005		
3.4011	1.0007	0.3467	3.0709	1.0005	0.9996	2.6938	1.0004	0.3477	3.0838	1.0004	1.0004	2.6938	1.0004	0.3477	3.0838	1.0004	1.0004		
						2.9804	1.0000	0.3476	3.0823	1.0002	1.0002								

DEL = 0.3328	DELU = 0.0528	DEL = 0.1305 CM
THETA = 0.2422	M = 5.387	UE = 635.7 M/SEC
RHOE = 0.2392 KG/M**3		RUN = 1056

MACH = 3.00	PQ = 298.2 KPA	TC = 307.6 K	
ALPHA = 2.10	Z/D = 5.56	PHI = 30.	
RPM = 2000.	PW = 7.53 KPA	REL = 9569700.	

Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9222	0.9222	0.0000	0.0000	0.3816
0.0291	0.9584	0.7037	1.3840	0.8451	0.5002
0.0486	0.9635	0.6537	1.5744	0.7374	0.5383
0.0772	0.9715	0.5801	1.6625	0.7339	0.5577
0.0965	0.9748	0.6312	1.6625	0.7455	0.5665
0.1254	0.9778	0.6210	1.7025	0.7732	0.5908
0.1584	0.9805	0.5958	1.8028	0.7732	0.5908
0.1955	0.9826	0.5777	1.8765	0.7925	0.6053
0.2336	0.9844	0.5656	1.9266	0.8051	0.6223
0.2714	0.9857	0.5448	2.0150	0.8264	0.6462
0.3117	0.9871	0.5265	2.0945	0.8445	0.6685
0.3534	0.9885	0.5087	2.1746	0.8618	0.6920
0.3958	0.9900	0.4902	2.2603	0.8794	0.7181
0.4395	0.9910	0.4685	2.3656	0.8996	0.7515
0.4845	0.9924	0.4475	2.4689	0.9182	0.7858
0.5305	0.9939	0.4265	2.5805	0.9369	0.8246
0.5779	0.9952	0.4080	2.6862	0.9534	0.8629
0.6267	0.9969	0.3915	2.7809	0.9672	0.8985
0.6769	0.9977	0.3785	2.8406	0.9784	0.9301
0.7285	0.9984	0.3662	2.9406	0.9887	0.9614
0.7815	0.9994	0.3595	2.9846	0.9942	0.9754
0.8359	0.9998	0.3555	3.0082	0.9972	0.9891
0.8917	1.0000	0.3542	3.0200	0.9986	0.9940
0.9490	1.0000	0.3537	3.0233	0.9990	0.9954
1.0077	1.0001	0.3533	3.0263	0.9994	0.9966
1.0678	1.0001	0.3532	3.0271	0.9995	0.9970
1.1293	1.0001	0.3530	3.0283	0.9996	0.9975
1.1922	1.0001	0.3528	3.0289	0.9997	0.9977
1.2565	1.0001	0.3526	3.0310	0.9999	0.9986
1.3222	1.0002	0.3525	3.0316	1.0000	0.9988
1.3893	1.0002	0.3525	3.0316	1.0000	0.9988
1.4578	1.0002	0.3524	3.0325	1.0001	0.9992
1.5277	1.0002	0.3524	3.0325	1.0002	0.9996
1.5989	1.0002	0.3523	3.0330	1.0002	0.9995
1.6714	1.0006	0.3523	3.0330	1.0002	0.9995

DEL = 0.2750	DELL = 0.460	DEL* = 0.1054 CM
THETA = 0.01543	H = 5.587	UE = 576.4 M/SEC
RHOE = 0.2441 KG/M**3		RUN = 1015

Y/DEL	TT/T0	T/T0	M	U/UE	RHO/RHOE
0.0000	0.9222	0.9222	0.0000	0.0000	0.3816
0.0291	0.9584	0.7037	1.3840	0.8451	0.5002
0.0486	0.9635	0.6537	1.5744	0.7374	0.5383
0.0772	0.9715	0.5801	1.6625	0.7339	0.5577
0.0965	0.9748	0.6312	1.6625	0.7455	0.5665
0.1254	0.9778	0.6210	1.7025	0.7732	0.5908
0.1584	0.9805	0.5958	1.8028	0.7732	0.5908
0.1955	0.9826	0.5777	1.8765	0.7925	0.6053
0.2336	0.9844	0.5656	1.9266	0.8051	0.6223
0.2714	0.9857	0.5448	2.0150	0.8264	0.6462
0.3117	0.9871	0.5265	2.0945	0.8445	0.6685
0.3534	0.9885	0.5087	2.1746	0.8618	0.6920
0.3958	0.9900	0.4902	2.2603	0.8794	0.7181
0.4395	0.9910	0.4685	2.3656	0.8996	0.7515
0.4845	0.9924	0.4475	2.4689	0.9182	0.7858
0.5305	0.9939	0.4265	2.5805	0.9369	0.8246
0.5779	0.9952	0.4080	2.6862	0.9534	0.8629
0.6267	0.9969	0.3915	2.7809	0.9672	0.8985
0.6769	0.9977	0.3785	2.8406	0.9784	0.9301
0.7285	0.9984	0.3662	2.9406	0.9887	0.9614
0.7815	0.9994	0.3595	2.9846	0.9942	0.9754
0.8359	0.9998	0.3555	3.0082	0.9972	0.9891
0.8917	1.0000	0.3542	3.0200	0.9986	0.9940
0.9490	1.0000	0.3537	3.0233	0.9990	0.9954
1.0077	1.0001	0.3533	3.0263	0.9994	0.9966
1.0678	1.0001	0.3532	3.0271	0.9995	0.9970
1.1293	1.0001	0.3530	3.0283	0.9996	0.9975
1.1922	1.0001	0.3528	3.0289	0.9997	0.9977
1.2565	1.0001	0.3526	3.0310	0.9999	0.9986
1.3222	1.0002	0.3525	3.0316	1.0000	0.9988
1.3893	1.0002	0.3525	3.0316	1.0000	0.9988
1.4578	1.0002	0.3524	3.0325	1.0001	0.9992
1.5277	1.0002	0.3524	3.0325	1.0002	0.9996
1.5989	1.0002	0.3523	3.0330	1.0002	0.9995
1.6714	1.0006	0.3523	3.0330	1.0002	0.9995

DEL = 0.2750	DELL = 0.460	DEL* = 0.1054 CM
THETA = 0.01543	H = 5.587	UE = 576.4 M/SEC
RHOE = 0.2441 KG/M**3		RUN = 1015

MACH = 3.00 PO = 298.5 KPA TO = 310.1 K
 ALPHA = 2.10 Z/D = 5.56 PHI = 120.
 RPM = 20000 PW = 7.15 KPA REL = 7464078.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9212 0.9213 0.0000 0.0000 0.3740
 0.0186 0.9541 0.7685 1.1319 0.5485 0.4454
 0.0398 0.9626 0.7454 1.2222 0.5832 0.4623
 0.0611 0.9683 0.7158 1.3363 0.6249 0.4815
 0.1254 0.9745 0.6825 1.4627 0.6680 0.5048
 0.1834 0.9782 0.6632 1.5370 0.6918 0.5156
 0.2403 0.9808 0.6298 1.6663 0.7309 0.5472
 0.2958 0.9830 0.6056 1.7617 0.7578 0.5650
 0.3536 0.9852 0.5814 1.8600 0.7839 0.5927
 0.4072 0.9870 0.5571 1.9607 0.8090 0.6185
 0.4645 0.9886 0.5344 2.0588 0.8314 0.6444
 0.5218 0.9903 0.5156 2.1421 0.8502 0.6684
 0.5776 0.9923 0.4950 2.2368 0.8698 0.6963
 0.6352 0.9931 0.4734 2.3398 0.8898 0.7275
 0.6930 0.9945 0.4548 2.4330 0.9068 0.7575
 0.7526 0.9961 0.4212 2.5233 0.9232 0.7857
 0.8089 0.9981 0.4017 2.6113 0.9366 0.8184
 0.8620 0.9995 0.3871 2.7217 0.9534 0.8521
 0.9121 1.0000 0.3736 2.8921 0.9657 0.8905
 1.0336 1.0012 0.3625 3.0471 0.9861 0.9508
 1.1355 1.0013 0.3552 3.0122 0.9922 0.9705
 1.2448 1.0018 0.3502 3.0471 0.9964 0.9847
 1.3629 1.0016 0.3473 3.0665 0.9987 0.9927
 1.4829 1.0022 0.3463 3.0739 0.9995 0.9952
 1.6121 1.0028 0.3457 3.0776 1.0000 0.9972
 1.7498 1.0030 0.3455 3.0791 1.0001 0.9979
 1.8998 1.0032 0.3452 3.0794 1.0002 0.9981
 2.0627 1.0034 0.3452 3.0815 1.0004 0.9990
 2.2396 1.0036 0.3449 3.0828 1.0006 0.9995
 2.4314 1.0038 0.3450 3.0825 1.0005 0.9994
 2.6377 1.0040 0.3452 3.0816 1.0004 0.9990
 2.8583 1.0042 0.3451 3.0819 1.0005 0.9991
 3.0943 1.0043 0.3451 3.0828 1.0006 0.9995

CEL = 0.3682 DELL = 0.643 DEL** = .1450 CP
 THETA = 0.2731 H = 5.589 UE = 638.6 M/SEC
 RHOE = 0.2349 KG/M**3 RUN = 1040

MACH = 3.00 PO = 298.4 KPA TO = 309.8 K
 ALPHA = 2.10 Z/D = 5.56 PHI = 120.
 RPM = 20000 PW = 7.14 KPA REL = 7485458.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9212 0.9213 0.0000 0.0000 0.3727
 0.0186 0.9541 0.7685 1.1319 0.5478 0.4462
 0.0398 0.9626 0.7454 1.2222 0.5832 0.4623
 0.0611 0.9683 0.7158 1.3363 0.6249 0.4815
 0.1254 0.9745 0.6825 1.4627 0.6680 0.5048
 0.1834 0.9782 0.6632 1.5370 0.6918 0.5156
 0.2403 0.9808 0.6298 1.6663 0.7309 0.5472
 0.2958 0.9830 0.6056 1.7617 0.7578 0.5650
 0.3536 0.9852 0.5814 1.8600 0.7839 0.5927
 0.4072 0.9870 0.5571 1.9607 0.8090 0.6185
 0.4645 0.9886 0.5344 2.0588 0.8314 0.6444
 0.5218 0.9903 0.5156 2.1421 0.8502 0.6684
 0.5776 0.9923 0.4950 2.2368 0.8698 0.6963
 0.6352 0.9931 0.4734 2.3398 0.8898 0.7275
 0.6930 0.9945 0.4548 2.4330 0.9068 0.7575
 0.7526 0.9961 0.4212 2.5233 0.9232 0.7857
 0.8089 0.9981 0.4017 2.6113 0.9366 0.8184
 0.8620 0.9995 0.3871 2.7217 0.9534 0.8521
 0.9121 1.0000 0.3736 2.8921 0.9657 0.8905
 1.0336 1.0012 0.3625 3.0471 0.9861 0.9508
 1.1355 1.0013 0.3552 3.0122 0.9922 0.9705
 1.2448 1.0018 0.3502 3.0471 0.9964 0.9847
 1.3629 1.0016 0.3473 3.0665 0.9987 0.9927
 1.4829 1.0022 0.3463 3.0739 0.9995 0.9952
 1.6121 1.0028 0.3457 3.0776 1.0000 0.9972
 1.7498 1.0030 0.3455 3.0791 1.0001 0.9979
 1.8998 1.0032 0.3452 3.0794 1.0002 0.9981
 2.0627 1.0034 0.3452 3.0815 1.0004 0.9990
 2.2396 1.0036 0.3449 3.0828 1.0006 0.9995
 2.4314 1.0038 0.3450 3.0825 1.0005 0.9994
 2.6377 1.0040 0.3452 3.0816 1.0004 0.9990
 2.8583 1.0042 0.3451 3.0819 1.0005 0.9991
 3.0943 1.0043 0.3451 3.0828 1.0006 0.9995

CEL = 0.3682 DELL = 0.643 DEL** = .1526 CP
 THETA = 0.2731 H = 5.589 UE = 638.1 M/SEC
 RHOE = 0.2349 KG/M**3 RUN = 1039

MACH = 3.00 PO = 298.7 KPA TO = 305.6 K DEL = 0.4657 DELU = 0.0809 DEL* = 0.1945 CM
 ALPHA = 2.10 Z/D = 5.56 PHI = 170. THETA = 0.3482 H = 5.586 UE = 632.0 M/SEC
 RPM = 0. W = 7.23 KPA REL = 7415118. RHOE = 3.2412 KG/M**3 RUN = 4031

Y/DEL	TT/TO	T/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/T0	M	U/UE	RHO/RHOE
0.0000	0.5213	0.9213	0.0000	0.0700	0.3739	0.0000	0.5214	0.9214	0.0000	0.0000	0.3747
0.0164	0.9573	0.8261	0.8910	0.4490	0.4165	0.0165	0.9646	0.7757	1.1034	0.5379	0.4451
0.0310	0.9628	0.7887	1.0505	0.5172	0.4367	0.0385	0.9695	0.7359	1.2598	0.5981	0.4653
0.0506	0.9679	0.7488	1.2097	0.5802	0.4601	0.0556	0.9719	0.7134	1.3462	0.6292	0.4841
0.0716	0.9707	0.7241	1.3048	0.6154	0.4758	0.0779	0.9746	0.6875	1.4451	0.6631	0.5024
0.1156	0.9748	0.6856	1.4523	0.6665	0.5026	0.1324	0.9773	0.6585	1.5558	0.6987	0.5244
0.1574	0.9773	0.6588	1.5548	0.6995	0.5230	0.1826	0.9796	0.6337	1.6520	0.7278	0.5450
0.2006	0.9794	0.6367	1.6403	0.7254	0.5411	0.2198	0.9809	0.6178	1.7144	0.7457	0.5550
0.2368	0.9810	0.6200	1.7063	0.7446	0.5555	0.2627	0.9826	0.6003	1.7843	0.7650	0.5754
0.2834	0.9829	0.5992	1.7870	0.7669	0.5747	0.3071	0.9839	0.5818	1.8589	0.7847	0.5926
0.3185	0.9842	0.5841	1.8508	0.7838	0.5902	0.3532	0.9855	0.5645	1.9311	0.8029	0.6119
0.3670	0.9860	0.5635	1.9347	0.8050	0.6114	0.3956	0.9870	0.5482	2.0006	0.8196	0.6302
0.4146	0.9876	0.5437	2.0204	0.8255	0.6241	0.4465	0.9885	0.5285	2.0862	0.8392	0.6537
0.4572	0.9889	0.5256	2.0993	0.8433	0.6359	0.4937	0.9898	0.5100	2.1690	0.8571	0.6774
0.5041	0.9906	0.5064	2.1863	0.8620	0.6805	0.5428	0.9910	0.4943	2.2415	0.8720	0.6950
0.5438	0.9916	0.4920	2.2534	0.8757	0.7009	0.5844	0.9922	0.4796	2.3117	0.8857	0.7205
0.5890	0.9929	0.4767	2.3268	0.8900	0.7225	0.6356	0.9935	0.4633	2.3523	0.9008	0.7460
0.6344	0.9941	0.4612	2.4037	0.9042	0.7475	0.6840	0.9944	0.4481	2.4691	0.9144	0.7712
0.6881	0.9954	0.4455	2.4844	0.9185	0.7745	0.7355	0.9956	0.4330	2.5490	0.9279	0.7952
0.7351	0.9965	0.4316	2.5584	0.9308	0.7996	0.7784	0.9965	0.4192	2.6240	0.9399	0.8244
0.7780	0.9973	0.4194	2.6248	0.9415	0.8228	0.8258	0.9973	0.4068	2.6939	0.9506	0.8495
0.8237	0.9983	0.4078	2.6905	0.9515	0.8462	0.8761	0.9986	0.3925	2.7765	0.9626	0.8800
0.8682	0.9989	0.3975	2.7480	0.9600	0.8673	0.9120	0.9989	0.3842	2.8283	0.9698	0.9056
0.9196	0.9998	0.3867	2.8155	0.9695	0.8927	0.9711	0.9997	0.3717	2.9066	0.9802	0.9300
0.9572	1.0004	0.3767	2.8771	0.9779	0.9163	1.0145	1.0003	0.3631	2.9619	0.9873	0.9519
1.0117	1.0013	0.3661	2.9457	0.9867	0.9420	1.0697	1.0007	0.3556	3.0120	0.9935	0.9722
1.0566	1.0019	0.3586	2.9947	0.9929	0.9629	1.1162	1.0012	0.3513	3.0416	0.9971	0.9842
1.1045	1.0025	0.3527	3.0351	0.9978	0.9793	1.1655	1.0015	0.3483	3.0620	0.9995	0.9927
1.1496	1.0025	0.3495	3.0564	1.0004	0.9881	1.2128	1.0016	0.3471	3.0708	1.0005	0.9962
1.2006	1.0028	0.3478	3.0686	1.0018	0.9931	1.2565	1.0018	0.3466	3.0748	1.0010	0.9980
1.2418	1.0030	0.3470	3.0743	1.0025	0.9955	1.3142	1.0026	0.3464	3.0754	1.0011	0.9982
1.2972	1.0030	0.3466	3.0770	1.0029	0.9966	1.3623	1.0028	0.3463	3.0763	1.0012	0.9986
1.3423	1.0032	0.3466	3.0777	1.0029	0.9968	1.4640	1.0020	0.3463	3.0766	1.0012	0.9988
1.4406	1.0036	0.3468	3.0774	1.0028	0.9967	1.6048	1.0018	0.3461	3.0781	1.0014	0.9994
1.5791	1.0039	0.3469	3.0776	1.0029	0.9969	1.8475	1.0020	0.3463	3.0769	1.0013	0.9995
1.8154	1.0039	0.3471	3.0759	1.0026	0.9961	2.0875	1.0020	0.3464	3.0763	1.0012	0.9986
2.0532	1.0041	0.3472	3.0755	1.0026	0.9960	2.3396	1.0020	0.3464	3.0763	1.0012	0.9986
2.2968	1.0042	0.3473	3.0755	1.0026	0.9960	2.5675	1.0020	0.3465	3.0757	1.0011	0.9984
2.5048	1.0048	0.3476	3.0746	1.0025	0.9956						

DEL = 0.4657 DELU = 0.0809 DEL* = 0.1945 CM
 THETA = 0.3482 H = 5.586 UE = 632.0 M/SEC
 RHOE = 3.2412 KG/M**3 RUN = 4031

MACH = 3.00				PO = 298.5 KPA				TO = 303.8 K				MACH = 3.00				PO = 298.7 KPA				TO = 304.8 K				
Z/D= 2.10				Z/D= 2.10				Z/D= 2.10				Z/D= 2.10				Z/D= 2.10				Z/D= 2.10				
ALPHA= 0.				ALPHA= 0.				ALPHA= 0.				ALPHA= 0.				ALPHA= 0.				ALPHA= 0.				
RPM= 0.				RPM= 0.				RPM= 0.				RPM= 0.				RPM= 0.				RPM= 0.				
REL=7468189.				REL=7468189.				REL=7468189.				REL=7468189.				REL=7468189.				REL=7468189.				
Y/DEL	TT/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	M	U/UE	RHO/RHOE	Y/DEL	TT/T0	M	U/UE	RHO/RHOE
0.0000	0.9213	0.0000	0.0000	0.3736	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.8194	0.9226	0.4630	0.4502	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.7639	1.1520	0.5581	0.4505	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.7289	1.2890	0.5099	0.4727	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.6894	1.4392	0.6620	0.4955	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.6654	1.5303	0.6919	0.5176	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.6414	1.6232	0.7205	0.5371	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.6209	1.7036	0.7440	0.5548	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.6041	1.7714	0.7629	0.5705	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.5865	1.8422	0.7818	0.5876	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.5694	1.9292	0.8038	0.6095	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742
0.0000	0.5575	2.0075	0.8227	0.6302	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0.0000	0.0000	0.3742	0.0000	0.9214	0		

MACH = 3.00 PO = 298.8 KPA TO = 307.2 K DEL = 0.4320 DELL = .C816 DEL** = .1862 CM
 ALPHA = 2.10 Z/D = 5.56 PHI = 210. THETA = .03285 UE = 635.7 M/SEC
 RPM = 20000. PW = 7.23 KPA REL = 7553051. RHOE = C.2378 KG/M**3 RUN = 1012

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9214	0.9214	0.0000	0.0000	0.3747
0.0133	0.9549	0.7544	1.1872	0.3000	0.4577
0.0345	0.9602	0.7245	1.3020	0.6131	0.4765
0.0595	0.9577	0.7088	1.3631	0.6347	0.4872
0.0828	0.9723	0.6876	1.4444	0.6624	0.5023
0.1044	0.9731	0.6715	1.5060	0.7075	0.5144
0.1215	0.9745	0.6507	1.5860	0.7246	0.5431
0.1517	0.9767	0.6147	1.7252	0.7485	0.5613
0.1907	0.9798	0.5945	1.8075	0.7707	0.5811
0.2195	0.9802	0.5748	1.8875	0.8109	0.6008
0.2650	0.9817	0.5562	1.9693	0.8312	0.6448
0.3733	0.9838	0.5355	2.0535	0.8496	0.6682
0.4215	0.9865	0.5170	2.1366	0.8683	0.6944
0.4762	0.9886	0.4975	2.2260	0.8972	0.7235
0.5252	0.9900	0.4772	2.3222	0.9021	0.7455
0.5732	0.9915	0.4609	2.4028	0.9167	0.7765
0.6234	0.9929	0.4447	2.4837	0.9310	0.8064
0.6753	0.9936	0.4285	2.5723	0.9438	0.8251
0.7272	0.9955	0.4136	2.6537	0.9574	0.8682
0.7807	0.9961	0.3978	2.7445	0.9688	0.8985
0.8266	0.9972	0.3844	2.8260	0.9789	0.9282
0.8804	0.9977	0.3724	2.9017	0.9873	0.9543
0.9312	0.9990	0.3620	2.9673	0.9929	0.9726
0.9792	1.0007	0.3554	3.0127	0.9960	0.9858
1.0356	1.0011	0.3504	3.0449	1.0000	0.9965
1.0849	1.0011	0.3482	3.0617	1.0004	0.9984
1.1317	1.0016	0.3467	3.0717	1.0006	0.9989
1.2453	1.0016	0.3459	3.0754	1.0008	0.9997
1.3010	1.0013	0.3457	3.0784	1.0008	0.9997
1.3549	1.0015	0.3458	3.0781	1.0008	0.9997
1.5125	1.0017	0.3455	3.0784	1.0008	0.9997
1.7626	1.0017	0.3458	3.0776	1.0013	0.9991
2.0223	1.0017	0.3460	3.0784	1.0013	0.9991
2.2812	1.0016	0.3462	3.0775	1.0012	0.9988
2.5186	1.0016	0.3462	3.0766	1.0011	0.9984
2.7357	1.0021	0.3451	3.0651	1.0021	1.0015

[illegible]

MACH = 2.50 PO = 29F.2 KPA TO = 308.2 K
 ALPHA = 2.10 Z/D = 5.56 PHI = 270.
 RPM = C. PW = 7.10 KPA REL = 7546534.

Y/DEL	Y1/T0	T/T0	M	U/UE	RHO/RPOE
U.0000	0.9208	0.9208	0.0000	0.0000	0.3655
U.0001	0.9208	0.9208	0.0000	0.4320	0.4082
U.0002	0.9208	0.9208	0.0000	0.5022	0.4274
U.0003	0.9208	0.9208	0.0000	0.5724	0.4764
U.0004	0.9208	0.9208	0.0000	0.6426	0.5014
U.0005	0.9208	0.9208	0.0000	0.7128	0.5240
U.0006	0.9208	0.9208	0.0000	0.7830	0.5446
U.0007	0.9208	0.9208	0.0000	0.8532	0.5656
U.0008	0.9208	0.9208	0.0000	0.9234	0.5858
U.0009	0.9208	0.9208	0.0000	0.9936	0.6051
U.0010	0.9208	0.9208	0.0000	0.8066	0.6309
U.0011	0.9208	0.9208	0.0000	0.8260	0.6309
U.0012	0.9208	0.9208	0.0000	0.8435	0.6525
U.0013	0.9208	0.9208	0.0000	0.8605	0.6754
U.0014	0.9208	0.9208	0.0000	0.8774	0.7003
U.0015	0.9208	0.9208	0.0000	0.8935	0.7263
U.0016	0.9208	0.9208	0.0000	0.9121	0.7558
U.0017	0.9208	0.9208	0.0000	0.9252	0.7541
U.0018	0.9208	0.9208	0.0000	0.9446	0.8284
U.0019	0.9208	0.9208	0.0000	0.9560	0.8561
U.0020	0.9208	0.9208	0.0000	0.9702	0.8942
U.0021	0.9208	0.9208	0.0000	0.9807	0.9249
U.0022	0.9208	0.9208	0.0000	0.9894	0.9524
U.0023	0.9208	0.9208	0.0000	0.9953	0.9727
U.0024	0.9208	0.9208	0.0000	0.9985	0.9830
U.0025	0.9208	0.9208	0.0000	1.0002	0.9851
U.0026	0.9208	0.9208	0.0000	1.0010	0.9919
U.0027	0.9208	0.9208	0.0000	1.0016	0.9939
U.0028	0.9208	0.9208	0.0000	1.0018	0.9946
U.0029	0.9208	0.9208	0.0000	1.0021	0.9958
U.0030	0.9208	0.9208	0.0000	1.0021	0.9960
U.0031	0.9208	0.9208	0.0000	1.0021	0.9957
U.0032	0.9208	0.9208	0.0000	1.0021	0.9960
U.0033	0.9208	0.9208	0.0000	1.0021	0.9960
U.0034	0.9208	0.9208	0.0000	1.0021	0.9960
U.0035	0.9208	0.9208	0.0000	1.0021	0.9960
U.0036	0.9208	0.9208	0.0000	1.0021	0.9960
U.0037	0.9208	0.9208	0.0000	1.0021	0.9960
U.0038	0.9208	0.9208	0.0000	1.0021	0.9960
U.0039	0.9208	0.9208	0.0000	1.0021	0.9960
U.0040	0.9208	0.9208	0.0000	1.0021	0.9960
U.0041	0.9208	0.9208	0.0000	1.0021	0.9960
U.0042	0.9208	0.9208	0.0000	1.0021	0.9960
U.0043	0.9208	0.9208	0.0000	1.0021	0.9960
U.0044	0.9208	0.9208	0.0000	1.0021	0.9960
U.0045	0.9208	0.9208	0.0000	1.0021	0.9960
U.0046	0.9208	0.9208	0.0000	1.0021	0.9960
U.0047	0.9208	0.9208	0.0000	1.0021	0.9960
U.0048	0.9208	0.9208	0.0000	1.0021	0.9960
U.0049	0.9208	0.9208	0.0000	1.0021	0.9960
U.0050	0.9208	0.9208	0.0000	1.0021	0.9960
U.0051	0.9208	0.9208	0.0000	1.0021	0.9960
U.0052	0.9208	0.9208	0.0000	1.0021	0.9960
U.0053	0.9208	0.9208	0.0000	1.0021	0.9960
U.0054	0.9208	0.9208	0.0000	1.0021	0.9960
U.0055	0.9208	0.9208	0.0000	1.0021	0.9960
U.0056	0.9208	0.9208	0.0000	1.0021	0.9960
U.0057	0.9208	0.9208	0.0000	1.0021	0.9960
U.0058	0.9208	0.9208	0.0000	1.0021	0.9960
U.0059	0.9208	0.9208	0.0000	1.0021	0.9960
U.0060	0.9208	0.9208	0.0000	1.0021	0.9960

CEL = 0.3.81 DELL = 0.520 DEL# = 1273 CM
 THETA = 0.2252 H = 5.651 UE = 637.2 M/SEC
 RPOC = 0.2352 KG/M**3 RUN = 1048

MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 298.2 KPA Z/O = 5.56 PW = 6.52 KPA				TO = 308.2 K PHI = 9C. REL = 7507540.			
Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE
0.0000	0.5199	0.5199	0.0000	0.0000	0.3618	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622
0.0257	0.5545	0.8382	0.8329	0.4174	0.3972	0.0728	0.5694	0.7245	1.2584	0.6054	0.4557
0.0535	0.5654	0.7576	1.1710	0.5580	0.4392	0.0926	0.5736	0.6821	1.4619	0.6612	0.4585
0.0734	0.5703	0.7161	1.3322	0.6172	0.4648	0.1064	0.5751	0.6667	1.5207	0.6801	0.4598
0.0933	0.5742	0.6795	1.4727	0.6645	0.4900	0.1203	0.5772	0.6435	1.6102	0.7074	0.4618
0.1132	0.5768	0.6482	1.5921	0.7018	0.5134	0.1401	0.5798	0.6100	1.7412	0.7449	0.4641
0.1331	0.5796	0.6151	1.7177	0.7382	0.5402	0.1880	0.5820	0.5910	1.8187	0.7657	0.4665
0.1530	0.5825	0.5948	1.8030	0.7613	0.5555	0.2221	0.5834	0.5721	1.8959	0.7854	0.4689
0.1729	0.5854	0.5707	1.9022	0.7867	0.5823	0.2713	0.5852	0.5517	1.9821	0.8062	0.4713
0.1928	0.5883	0.5475	1.9994	0.8100	0.6078	0.3168	0.5861	0.5352	2.0521	0.8223	0.4737
0.2127	0.5912	0.5290	2.0798	0.8282	0.6291	0.3724	0.5875	0.5132	2.1500	0.8436	0.4761
0.2326	0.5941	0.5072	2.1784	0.8493	0.6562	0.4303	0.5894	0.4925	2.2444	0.8630	0.4785
0.2525	0.5970	0.4885	2.2628	0.8663	0.6806	0.4775	0.5905	0.4772	2.3194	0.8775	0.4809
0.2724	0.5999	0.4673	2.3673	0.8861	0.7121	0.5277	0.5915	0.4585	2.4110	0.8942	0.4833
0.2923	0.6028	0.4520	2.4446	0.8999	0.7363	0.5837	0.5928	0.4417	2.4578	0.9092	0.4857
0.3122	0.6057	0.4377	2.5189	0.9124	0.7602	0.6337	0.5941	0.4276	2.5739	0.9217	0.4881
0.3321	0.6086	0.4218	2.6041	0.9262	0.7886	0.6900	0.5946	0.4118	2.6601	0.9351	0.4905
0.3520	0.6115	0.4111	2.6651	0.9355	0.8056	0.7338	0.5956	0.4006	2.7253	0.9447	0.4929
0.3719	0.6144	0.3978	2.7419	0.9468	0.8366	0.8112	0.5967	0.3824	2.8340	0.9599	0.4953
0.3918	0.6173	0.3828	2.8320	0.9593	0.8652	0.8741	0.5974	0.3695	2.9147	0.9706	0.4977
0.4117	0.6202	0.3689	2.9195	0.9708	0.9021	0.9452	0.5990	0.3502	2.9888	0.9798	0.4991
0.4316	0.6231	0.3576	2.9933	0.9800	0.9306	1.0168	0.5990	0.3352	3.0636	0.9864	0.5015
0.4515	0.6260	0.3488	3.0525	0.9871	0.9535	1.0842	0.5991	0.3445	3.0793	0.9906	0.5039
0.4714	0.6289	0.3438	3.0875	0.9912	0.9675	1.1634	0.5993	0.3415	3.1004	0.9930	0.5063
0.4913	0.6318	0.3408	3.1091	0.9937	0.9766	1.2325	0.5995	0.3407	3.1094	0.9940	0.5087
0.5112	0.6347	0.3396	3.1174	0.9946	0.9801	1.2964	0.5996	0.3400	3.1144	0.9946	0.5111
0.5311	0.6376	0.3389	3.1220	0.9951	0.9819	1.4441	0.5996	0.3392	3.1204	0.9953	0.5135
0.5510	0.6405	0.3382	3.1264	0.9956	0.9837	1.5934	0.5997	0.3387	3.1240	0.9957	0.5159
0.5709	0.6434	0.3375	3.1298	0.9960	0.9851	1.9491	0.5996	0.3372	3.1239	0.9968	0.5183
0.5908	0.6463	0.3367	3.1390	0.9970	0.9888	2.3045	0.5998	0.3362	3.1418	0.9977	0.5207
0.6107	0.6492	0.3354	3.1478	0.9980	0.9925	2.6571	0.5997	0.3352	3.1481	0.9984	0.5231
0.6306	0.6521	0.3345	3.1534	0.9986	0.9948	3.0078	0.5996	0.3345	3.1530	0.9989	0.5255
0.6505	0.6550	0.3341	3.1570	0.9990	0.9962	3.3352	1.0000	0.3335	3.1582	0.9995	0.5279
0.6704	0.6579	0.3335	3.1613	0.9995	0.9980						

MACH = 3.00 ALPHA = 4.20 RPM = 0.				PO = 298.0 KPA Z/O = 5.56 PW = 6.53 KPA				TO = 308.4 K PHI = 9C. REL = 7507900.			
Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE
0.0000	0.5199	0.5199	0.0000	0.0000	0.3618	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622
0.0257	0.5545	0.8382	0.8329	0.4174	0.3972	0.0728	0.5694	0.7245	1.2584	0.6054	0.4557
0.0535	0.5654	0.7576	1.1710	0.5580	0.4392	0.0926	0.5736	0.6821	1.4619	0.6612	0.4585
0.0734	0.5703	0.7161	1.3322	0.6172	0.4648	0.1064	0.5751	0.6667	1.5207	0.6801	0.4598
0.0933	0.5742	0.6795	1.4727	0.6645	0.4900	0.1203	0.5772	0.6435	1.6102	0.7074	0.4618
0.1132	0.5768	0.6482	1.5921	0.7018	0.5134	0.1401	0.5798	0.6100	1.7412	0.7449	0.4641
0.1331	0.5796	0.6151	1.7177	0.7382	0.5402	0.1880	0.5820	0.5910	1.8187	0.7657	0.4665
0.1530	0.5825	0.5948	1.8030	0.7613	0.5555	0.2221	0.5834	0.5721	1.8959	0.7854	0.4689
0.1729	0.5854	0.5707	1.9022	0.7867	0.5823	0.2713	0.5852	0.5517	1.9821	0.8062	0.4713
0.1928	0.5883	0.5475	1.9994	0.8100	0.6078	0.3168	0.5861	0.5352	2.0521	0.8223	0.4737
0.2127	0.5912	0.5290	2.0798	0.8282	0.6291	0.3724	0.5875	0.5132	2.1500	0.8436	0.4761
0.2326	0.5941	0.5072	2.1784	0.8493	0.6562	0.4303	0.5894	0.4925	2.2444	0.8630	0.4785
0.2525	0.5970	0.4885	2.2628	0.8663	0.6806	0.4775	0.5905	0.4772	2.3194	0.8775	0.4809
0.2724	0.5999	0.4673	2.3673	0.8861	0.7121	0.5277	0.5915	0.4585	2.4110	0.8942	0.4833
0.2923	0.6028	0.4520	2.4446	0.8999	0.7363	0.5837	0.5928	0.4417	2.4578	0.9092	0.4857
0.3122	0.6057	0.4377	2.5189	0.9124	0.7602	0.6337	0.5941	0.4276	2.5739	0.9217	0.4881
0.3321	0.6086	0.4218	2.6041	0.9262	0.7886	0.6900	0.5946	0.4118	2.6601	0.9351	0.4905
0.3520	0.6115	0.4111	2.6651	0.9355	0.8056	0.7338	0.5956	0.4006	2.7253	0.9447	0.4929
0.3719	0.6144	0.3978	2.7419	0.9468	0.8366	0.8112	0.5967	0.3824	2.8340	0.9599	0.4953
0.3918	0.6173	0.3828	2.8320	0.9593	0.8652	0.8741	0.5974	0.3695	2.9147	0.9706	0.4977
0.4117	0.6202	0.3689	2.9195	0.9708	0.9021	0.9452	0.5990	0.3502	2.9888	0.9798	0.4991
0.4316	0.6231	0.3576	2.9933	0.9800	0.9306	1.0168	0.5990	0.3352	3.0636	0.9864	0.5015
0.4515	0.6260	0.3488	3.0525	0.9871	0.9535	1.0842	0.5991	0.3445	3.0793	0.9906	0.5039
0.4714	0.6289	0.3438	3.0875	0.9912	0.9675	1.1634	0.5993	0.3415	3.1004	0.9930	0.5063
0.4913	0.6318	0.3408	3.1091	0.9937	0.9766	1.2325	0.5995	0.3407	3.1094	0.9940	0.5087
0.5112	0.6347	0.3396	3.1174	0.9946	0.9801	1.2964	0.5996	0.3400	3.1144	0.9946	0.5111
0.5311	0.6376	0.3389	3.1220	0.9951	0.9819	1.4441	0.5996	0.3392	3.1204	0.9953	0.5135
0.5510	0.6405	0.3382	3.1264	0.9956	0.9837	1.5934	0.5997	0.3387	3.1240	0.9957	0.5159
0.5709	0.6434	0.3375	3.1298	0.9960	0.9851	1.9491	0.5996	0.3372	3.1239	0.9968	0.5183
0.5908	0.6463	0.3367	3.1390	0.9970	0.9888	2.3045	0.5998	0.3362	3.1418	0.9977	0.5207
0.6107	0.6492	0.3354	3.1478	0.9980	0.9925	2.6571	0.5997	0.3352	3.1481	0.9984	0.5231
0.6306	0.6521	0.3345	3.1534	0.9986	0.9948	3.0078	0.5996	0.3345	3.1530	0.9989	0.5255
0.6505	0.6550	0.3341	3.1570	0.9990	0.9962	3.3352	1.0000	0.3335	3.1582	0.9995	0.5279
0.6704	0.6579	0.3335	3.1613	0.9995	0.9980						

MACH = 3.00 ALPHA = 4.20 RPM = 0.				PO = 298.0 KPA Z/O = 5.56 PW = 6.53 KPA				TO = 308.4 K PHI = 9C. REL = 7507900.			
Y/DEL	TT/TC	T/TO	M	U/UE	RHO/RHCE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHCE
0.0000	0.5199	0.5199	0.0000	0.0000	0.3618	0.0000	0.5200	0.9200	0.0000	0.0000	0.3622
0.0257	0.5545	0.8382	0.8329	0.4174	0.3972	0.0728	0.5694	0.7245	1.2584	0.6054	0.4557
0.0535	0.5654	0.7576	1.1710	0.5580	0.4392	0.0926	0.5736	0.6821	1.4619	0.6612	0.4585
0.0734	0.5703	0.7161	1.3322	0.6172	0.4648	0.1064	0.5751	0.6667	1.5207	0.6801	0.4598
0.0933	0.5742	0.6795	1.4727	0.6645	0.4900	0.1203	0.5772	0.6435	1.6102	0.7074	0.4618
0.1132	0.5768	0.6482	1.5921	0.7018	0.5134	0.1401	0.5798	0.6100	1.7412	0.7449	0.4641
0.1331	0.5796	0.6151	1.7177	0.7382	0.5402	0.1880	0.5820	0.5910	1.8187	0.7657	0.4665
0.1530	0.5825	0.5948	1.8030	0.7613	0.5555	0.2221	0.5834	0.5721	1.8959	0.7854	0.4689
0.1729	0.5854	0.5707	1.9022	0.7867	0.5823	0.2713	0.5852	0.5517	1.9821	0.8062	0.4713
0.1928	0.5883	0.5475	1.9994	0.8100	0.6078	0.3168	0.5861	0.5352	2.0521	0.8223	0.4737
0.2127	0.5912	0.5290	2.0798	0.8282	0.6291	0.3724	0.5875	0.5132	2.1500	0.8436	0.4761
0.2326	0.5941	0.5072	2.1784	0.8493	0.6562	0.4303	0.5894	0.4925	2.2444	0.8630	0.4785
0.2525	0.5970	0.4885	2.2628	0.8663	0.6806	0.4775	0.5905	0.4772	2.3194	0.8775	0.4809
0.2724	0.5999	0.4673	2.3673	0.8861	0.7121	0.5277	0.5915	0.4585	2.4110	0.8942	0.4833
0.2923	0.6028	0.4520	2.4446	0.8999	0.7363	0.5837	0.5928	0.4417	2.4578	0.9092	0.4857
0.3122	0.6057	0.4377	2.5189	0.9124	0.7602	0.6337	0.5941	0.4276	2.5739	0.9217	0.4881
0.3321	0.6086	0.4218	2.6041	0.9262	0.7886	0.6900	0.5946	0.4118	2.6601	0.9351	0.4905
0.3520	0.6115	0.4111									

MACH = 3.00	PO = 297.5 KPA	TO = 309.5 K	MACH = 3.00	PO = 297.6 KPA	TO = 310.4 K
ALPHA = 4.20	Z/D = 5.56	PHI = 120.	ALPHA = 4.20	Z/D = 5.56	PHI = 120.
RPM = 0.	PN = 6.72 KPA	REL = 7470057.	RPM = 20000.	PN = 6.73 KPA	REL = 7440951.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9204	0.9200	0.0000	0.0000	0.3668
0.0201	0.9514	0.8546	0.7528	0.5351	0.4261
0.0294	0.9567	0.8224	0.5036	0.4507	0.4089
0.0302	0.9602	0.7975	1.0088	0.4956	0.4215
0.0375	0.9653	0.7654	1.1426	0.5497	0.4355
0.0841	0.9705	0.7175	1.3263	0.6180	0.4685
0.1345	0.9748	0.6750	1.4502	0.6733	0.4983
0.1884	0.9781	0.6425	1.6158	0.7122	0.5235
0.2427	0.9803	0.6165	1.7163	0.7413	0.5453
0.2958	0.9828	0.5916	1.8185	0.7690	0.5685
0.3526	0.9848	0.5672	1.9181	0.7943	0.5932
0.4072	0.9866	0.5451	2.0124	0.8168	0.6174
0.4585	0.9880	0.5241	2.1037	0.8374	0.6420
0.5133	0.9898	0.5025	2.2019	0.8591	0.6657
0.5645	0.9915	0.4811	2.3030	0.8782	0.6896
0.6230	0.9929	0.4607	2.4035	0.8968	0.7306
0.6731	0.9942	0.4441	2.4887	0.9117	0.7560
0.7321	0.9953	0.4237	2.5572	0.9294	0.7543
0.7905	0.9967	0.4071	2.6512	0.9438	0.8270
0.8462	0.9980	0.3902	2.7906	0.9581	0.8628
0.8985	0.9988	0.3776	2.8680	0.9687	0.8916
0.9491	0.9994	0.3655	2.9418	0.9782	0.9159
1.0118	1.0000	0.3560	3.0075	0.9864	0.9426
1.0644	1.0011	0.3502	3.0482	0.9912	0.9615
1.1237	1.0012	0.3456	3.0800	0.9949	0.9747
1.2385	1.0012	0.3416	3.1076	0.9981	0.9860
1.3568	1.0017	0.3406	3.1153	0.9990	0.9881
1.6465	1.0019	0.3400	3.1201	0.9995	0.9911
1.9284	0.9825	0.3327	3.1253	1.0001	0.9933
2.4933	1.0131	0.1662	5.0470	1.1304	2.0277
2.4933	1.0025	0.3387	3.1304	1.0007	0.9954
2.7604	1.0025	0.3384	3.1326	1.0009	0.9953
3.0112	1.0025	0.3381	3.1345	1.0011	0.9971

CEL = 0.3854	DELU = 0.700	DEL** = 0.1668 CM	CEL = 0.3772	DELU = 0.660	DEL** = 0.1558 CM
THETA = 0.2851	H = 5.782	UE = 641.5 M/SEC	THETA = 0.2707	H = 5.756	UE = 642.0 M/SEC
RMCE = 0.2255 KG/M**2	RUN = 1043		RMCE = 0.2244 KG/M**2	RUN = 1044	

MACH = 3.00 PO = 297.3 KPA TO = 310.4 K
 ALPHA = 4.20 Z/O = 5.56 PHI = 150.
 RPM = 0. PW = 7.13 KPA REL = 7430067.

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9215	0.9215	0.0000	0.0000	0.3751
0.0154	0.9503	0.8683	0.6873	0.3541	0.3982
0.0386	0.9609	0.8035	0.9898	0.4906	0.4302
0.0542	0.9650	0.7723	1.1171	0.5428	0.4476
0.0795	0.9685	0.7428	1.2325	0.5874	0.4653
0.1091	0.9720	0.7204	1.3187	0.6189	0.4758
0.1463	0.9735	0.6961	1.4116	0.6512	0.4966
0.1884	0.9758	0.6737	1.4975	0.6796	0.5132
0.2295	0.9776	0.6546	1.5709	0.7027	0.5282
0.2578	0.9790	0.6358	1.6392	0.7233	0.5428
0.3020	0.9804	0.6218	1.6980	0.7403	0.5559
0.3433	0.9818	0.6055	1.7625	0.7584	0.5708
0.3847	0.9834	0.5862	1.8406	0.7792	0.5857
0.4263	0.9847	0.5696	1.9087	0.7965	0.6069
0.4643	0.9862	0.5522	1.9824	0.8145	0.6261
0.4953	0.9873	0.5362	2.0508	0.8304	0.6446
0.5207	0.9887	0.5170	2.1360	0.8492	0.6666
0.5407	0.9895	0.5002	2.2127	0.8653	0.6911
0.5617	0.9915	0.4811	2.3033	0.8833	0.7187
0.6617	0.9925	0.4667	2.3732	0.8964	0.7407
0.7038	0.9937	0.4522	2.4471	0.9097	0.7647
0.7445	0.9946	0.4355	2.5336	0.9244	0.7938
0.7813	0.9952	0.4234	2.5986	0.9350	0.8164
0.8250	0.9960	0.4085	2.6791	0.9474	0.8451
0.8685	0.9970	0.3962	2.7533	0.9583	0.8723
0.9095	0.9975	0.3850	2.8212	0.9679	0.8975
0.9472	0.9985	0.3750	2.8836	0.9763	0.9220
0.9898	0.9991	0.3664	2.9380	0.9833	0.9434
1.0322	0.9996	0.3581	2.9931	0.9902	0.9655
1.0732	0.9998	0.3527	3.0286	0.9945	0.9800
1.1143	1.0000	0.3494	3.0510	0.9972	0.9852
1.1498	1.0001	0.3478	3.0625	0.9986	0.9940
1.1953	1.0003	0.3468	3.0693	0.9994	0.9968
1.2751	1.0003	0.3462	3.0739	0.9999	0.9987
1.3973	1.0004	0.3455	3.0760	1.0002	0.9996
1.5956	1.0004	0.3455	3.0782	1.0004	1.0005
1.7998	1.0004	0.3455	3.0785	1.0005	1.0007
1.9888	1.0004	0.3455	3.0779	1.0004	1.0004
2.1708	1.0004	0.3457	3.0770	1.0003	1.0000

DEL = 0.5407 DELL = 1072 CEL = 0.5408 CM
 THETA = 0.4281 H = 5.623 UE = 638.8 M/SEC
 RHOE = 0.2223 KG/M**3 RUN = 1033

MACH = 3.00 PO = 297.9 KPA TO = 310.4 K
 ALPHA = 4.20 Z/O = 5.56 PHI = 150.
 RPM = 20000. PW = 7.14 KPA REL = 7435072.

Y/DEL	TT/TG	T/TG	M	U/UE	RHO/RHOE
0.0000	0.9215	0.9215	0.0000	0.0000	0.3756
0.0154	0.9623	0.7923	1.0360	0.5099	0.4369
0.0750	0.9750	0.7443	1.2265	0.5851	0.4651
0.1171	0.9721	0.7078	1.3664	0.6357	0.4850
0.1523	0.9744	0.6828	1.4615	0.6678	0.5069
0.1949	0.9767	0.6588	1.5534	0.6973	0.5252
0.2331	0.9789	0.6384	1.6331	0.7215	0.5423
0.2751	0.9805	0.6182	1.7117	0.7443	0.5559
0.3156	0.9820	0.6001	1.7838	0.7642	0.5768
0.3574	0.9836	0.5808	1.8622	0.7848	0.5960
0.3981	0.9851	0.5624	1.9387	0.8040	0.6155
0.4438	0.9866	0.5432	2.0203	0.8234	0.6372
0.4822	0.9879	0.5253	2.0986	0.8411	0.6550
0.5194	0.9891	0.5100	2.1673	0.8559	0.6787
0.5580	0.9902	0.4946	2.2385	0.8703	0.6959
0.6041	0.9914	0.4774	2.3202	0.8865	0.7251
0.6514	0.9924	0.4610	2.4006	0.9014	0.7507
0.6864	0.9932	0.4472	2.4712	0.9139	0.7739
0.7328	0.9945	0.4326	2.5482	0.9268	0.8001
0.7743	0.9952	0.4192	2.6213	0.9385	0.8257
0.8121	0.9960	0.4086	2.6811	0.9477	0.8471
0.8590	0.9967	0.3945	2.7603	0.9593	0.8763
0.8996	0.9973	0.3837	2.8159	0.9671	0.8973
0.9456	0.9982	0.3751	2.8622	0.9761	0.9229
0.9845	0.9985	0.3668	2.9346	0.9829	0.9435
1.0305	0.9990	0.3597	2.9511	0.9887	0.9622
1.0733	0.9991	0.3540	3.0184	0.9933	0.9774
1.1122	0.9994	0.3505	3.0428	0.9963	0.9872
1.1624	0.9997	0.3483	3.0580	0.9981	0.9936
1.2022	0.9997	0.3472	3.0654	0.9989	0.9967
1.2445	1.0000	0.3463	3.0694	0.9994	0.9984
1.3217	1.0000	0.3463	3.0722	0.9997	0.9995
1.4547	1.0000	0.3460	3.0740	0.9999	1.0003
1.6642	0.9998	0.3458	3.0752	1.0001	1.0008
1.8689	1.0000	0.3459	3.0752	1.0001	1.0008
2.0648	1.0000	0.3459	3.0746	1.0000	1.0006
2.2568	0.9998	0.3459	3.0743	1.0000	1.0004

CEL = 0.5193 DELL = 0.959 DEL = 0.2232 CM
 THETA = 0.2397 H = 5.670 UE = 638.6 M/SEC
 RHOE = 0.2223 KG/M**3 RUN = 1034

MACH = 3.00 P0 = 298.2 KPA TO = 306.5 K MACH = 3.00 P0 = 297.7 KPA TO = 307.0 K
 ALPHA = 4.20 Z/D = 5.56 PHI = 170. ALPHA = 4.20 Z/D = 5.56 PHI = 170.
 RPM = 0. PM = 7.26 KPA REL = 7302850. RPM = 20000. PM = 7.25 KPA REL = 7286057.

Y/DEL	TT/TO	T/TO	M	U/UE	RNO/RNOE	Y/DEL	TT/TO	T/TO	M	U/UE	RNO/RNOE
0.0000	0.9216	0.9216	0.0000	0.0000	0.3763	0.0000	0.9217	0.9217	0.0000	0.0000	0.3766
0.0115	0.9550	0.8422	0.8183	0.4159	0.4118	0.0295	0.9620	0.7971	1.0171	0.5027	0.4353
0.0306	0.9642	0.7784	1.0527	0.5338	0.4456	0.0468	0.9667	0.7596	1.1678	0.5635	0.4570
0.0520	0.9695	0.7336	1.2680	0.6014	0.4728	0.0643	0.9692	0.7377	1.2527	0.5957	0.4706
0.0924	0.9723	0.7067	1.3709	0.6382	0.4908	0.0935	0.9723	0.7095	1.3609	0.6346	0.4852
0.1201	0.9742	0.6886	1.4398	0.6616	0.5034	0.1275	0.9743	0.6865	1.4466	0.6638	0.5053
0.1528	0.9760	0.6691	1.5144	0.6859	0.5153	0.1561	0.9762	0.6676	1.5204	0.6878	0.5155
0.1846	0.9777	0.6509	1.5846	0.7079	0.5255	0.1896	0.9781	0.6511	1.5846	0.7078	0.5233
0.2158	0.9791	0.6360	1.6422	0.7252	0.5453	0.2234	0.9794	0.6341	1.6500	0.7274	0.5474
0.2452	0.9805	0.6218	1.6984	0.7415	0.5575	0.2546	0.9809	0.6188	1.7107	0.7450	0.5611
0.2749	0.9817	0.6076	1.7547	0.7573	0.5710	0.2830	0.9821	0.6056	1.7629	0.7595	0.5732
0.3125	0.9833	0.5901	1.8254	0.7763	0.5850	0.3134	0.9833	0.5885	1.8115	0.7779	0.5855
0.3749	0.9853	0.5631	1.9362	0.8045	0.6160	0.3832	0.9855	0.5605	1.9453	0.8066	0.6185
0.4105	0.9866	0.5487	1.9976	0.8192	0.6323	0.4189	0.9868	0.5465	2.0071	0.8214	0.6354
0.4415	0.9874	0.5359	2.0526	0.8320	0.6473	0.4517	0.9878	0.5331	2.0651	0.8347	0.6513
0.4760	0.9886	0.5225	2.1118	0.8452	0.6640	0.4845	0.9888	0.5194	2.1257	0.8481	0.6685
0.5112	0.9896	0.5084	2.1757	0.8588	0.6825	0.5236	0.9899	0.5052	2.1899	0.8617	0.6872
0.5425	0.9904	0.4975	2.2260	0.8692	0.6975	0.5504	0.9901	0.4942	2.2414	0.8722	0.7026
0.5738	0.9911	0.4861	2.2789	0.8798	0.7126	0.5896	0.9913	0.4820	2.2986	0.8835	0.7202
0.6062	0.9915	0.4765	2.3256	0.8888	0.7281	0.6238	0.9920	0.4722	2.3460	0.8926	0.7351
0.6458	0.9930	0.4617	2.3687	0.9023	0.7515	0.6611	0.9933	0.4572	2.4214	0.9064	0.7555
0.6802	0.9934	0.4491	2.4219	0.9135	0.7732	0.6952	0.9938	0.4465	2.4759	0.9159	0.7776
0.7128	0.9944	0.4402	2.5089	0.9216	0.7851	0.7254	0.9946	0.4371	2.5252	0.9243	0.7943
0.7485	0.9952	0.4285	2.5692	0.9316	0.8059	0.7651	0.9954	0.4250	2.5903	0.9349	0.8169
0.7731	0.9959	0.4210	2.6128	0.9385	0.8242	0.7965	0.9962	0.4161	2.6403	0.9427	0.8346
0.8131	0.9964	0.4100	2.6739	0.9480	0.8411	0.8301	0.9967	0.4055	2.7002	0.9518	0.8544
0.8502	0.9972	0.4003	2.7304	0.9564	0.8668	0.8690	0.9973	0.3962	2.7536	0.9596	0.8761
0.8813	0.9977	0.3932	2.7723	0.9624	0.8825	0.9035	0.9981	0.3868	2.8111	0.9678	0.8979
0.9155	0.9983	0.3836	2.8306	0.9705	0.9046	0.9390	0.9987	0.3777	2.8670	0.9754	0.9154
0.9538	0.9988	0.3752	2.8819	0.9774	0.9245	0.9760	0.9991	0.3707	2.9107	0.9811	0.9366
0.9858	0.9993	0.3684	2.9264	0.9832	0.9411	1.0140	0.9996	0.3623	2.9592	0.9873	0.9555
1.0248	0.9999	0.3616	2.9706	0.9888	0.9558	1.0355	0.9997	0.3587	2.9890	0.9910	0.9680
1.0506	1.0002	0.3561	3.0073	0.9934	0.9747	1.0808	1.0001	0.3541	3.0202	0.9949	0.9807
1.0931	1.0004	0.3521	3.0343	0.9966	0.9858	1.1130	1.0003	0.3505	3.0418	0.9975	0.9856
1.1255	1.0006	0.3501	3.0480	0.9983	0.9914	1.1526	1.0004	0.3491	3.0543	0.9989	0.9948
1.1620	1.0007	0.3485	3.0592	0.9996	0.9961	1.1898	1.0003	0.3481	3.0610	0.9997	0.9976
1.1973	1.0007	0.3478	3.0640	1.0002	0.9992	1.2185	1.0007	0.3475	3.0631	1.0000	0.9984
1.2596	1.0007	0.3472	3.0677	1.0006	0.9996						
1.3342	1.0009	0.3472	3.0686	1.0007	1.0000						

DEL = 0.6241 DELU = 0.1131 DEL = 0.626 CM
 THETA = 0.4751 H = 5.527 UE = 634.3 M/SEC
 RHO = 0.2391 KG/M**3 RUN = 4025

MACH = 3.00 PO = 290.5 KPA TO = 310.2 K
 ALPHA = 4.20 Z/D = 5.56 PHI = 180.
 RPN = 7.08 KPA PW = 7.08 KPA REL = 7254445.
 DEL = .1154
 THETA = .0482
 RHO = 3.2304 KG/M**3
 DEL* = .2654 CM
 UE = 638.1 M/SEC
 RUN = 1007

Y/CEL	TT/TU	T/TU	M	U/UE	RHO/RHOE	Y/CEL	TT/TU	T/TU	M	U/UE	RHO/RHOE
0.0000	0.9216	0.9216	0.0000	0.0000	0.3742	0.0000	0.9214	0.9214	0.0000	0.0000	0.3742
0.0138	0.9311	0.8631	0.7141	0.3671	0.4017	0.0331	0.9640	0.7835	1.0731	0.5279	0.4403
0.0260	0.9590	0.8162	0.9349	0.4674	0.4247	0.0436	0.9665	0.7637	1.1522	0.5595	0.4517
0.0345	0.9656	0.7685	1.1325	0.5492	0.4512	0.0571	0.9683	0.7482	1.2128	0.5830	0.4611
0.0580	0.9681	0.7475	1.2146	0.5810	0.4638	0.0735	0.9705	0.7305	1.2816	0.6086	0.4723
0.0874	0.9711	0.7185	1.3259	0.6218	0.4825	0.0899	0.9721	0.7170	1.3337	0.6275	0.4812
0.1195	0.9739	0.6925	1.4238	0.6557	0.5004	0.1064	0.9736	0.7031	1.3867	0.6460	0.4908
0.1546	0.9753	0.6742	1.4938	0.6788	0.5140	0.1308	0.9749	0.6894	1.4392	0.6639	0.5006
0.1875	0.9774	0.6543	1.5712	0.7032	0.5258	0.1543	0.9767	0.6753	1.4940	0.6820	0.5112
0.2182	0.9794	0.6375	1.6366	0.7229	0.5435	0.1789	0.9779	0.6632	1.5440	0.6979	0.5214
0.2509	0.9803	0.6212	1.6999	0.7413	0.5580	0.2079	0.9796	0.6485	1.5978	0.7146	0.5326
0.2847	0.9819	0.6044	1.7673	0.7601	0.5737	0.2322	0.9807	0.6355	1.6479	0.7296	0.5434
0.3196	0.9833	0.5876	1.8351	0.7782	0.5901	0.2554	0.9819	0.6255	1.6966	0.7409	0.5520
0.3486	0.9843	0.5734	1.8926	0.7930	0.6045	0.2898	0.9833	0.6092	1.7523	0.7595	0.5671
0.3796	0.9854	0.5596	1.9503	0.8072	0.6195	0.3243	0.9845	0.5925	1.8200	0.7778	0.5832
0.4131	0.9868	0.5435	2.0192	0.8236	0.6375	0.3507	0.9862	0.5787	1.8765	0.7925	0.5972
0.4505	0.9878	0.5295	2.0803	0.8375	0.6548	0.3895	0.9877	0.5625	1.9439	0.8094	0.6145
0.4831	0.9890	0.5168	2.1372	0.8500	0.6710	0.4242	0.9888	0.5462	2.0054	0.8242	0.6308
0.5194	0.9898	0.5022	2.2030	0.8638	0.6903	0.4600	0.9903	0.5337	2.0681	0.8386	0.6475
0.5527	0.9907	0.4901	2.2601	0.8753	0.7075	0.4927	0.9915	0.5204	2.1275	0.8518	0.6646
0.5832	0.9917	0.4789	2.3140	0.8858	0.7242	0.5240	0.9930	0.5018	2.1823	0.8697	0.6852
0.6137	0.9923	0.4681	2.3664	0.8957	0.7408	0.5577	0.9947	0.4813	2.2303	0.8890	0.7188
0.6494	0.9932	0.4545	2.4326	0.9077	0.7623	0.5964	0.9964	0.4643	2.2938	0.9048	0.7456
0.6832	0.9937	0.4440	2.4879	0.9173	0.7807	0.6365	0.9977	0.4474	2.3480	0.9202	0.7740
0.7222	0.9945	0.4322	2.5505	0.9277	0.8051	0.6724	0.9989	0.4302	2.3709	0.9354	0.8048
0.7571	0.9951	0.4230	2.6006	0.9358	0.8156	0.8092	0.9992	0.4158	2.4508	0.9480	0.8329
0.7918	0.9960	0.4128	2.6577	0.9447	0.8359	0.8592	1.0014	0.4025	2.5278	0.9596	0.8609
0.8295	0.9964	0.4041	2.7071	0.9521	0.8575	0.9133	1.0024	0.3906	2.5984	0.9697	0.8872
0.8625	0.9970	0.3950	2.7605	0.9599	0.8777	0.9649	1.0028	0.3825	2.6451	0.9761	0.9050
0.8983	0.9976	0.3873	2.8071	0.9665	0.8953	1.0037	1.0041	0.3754	2.6852	0.9825	0.9235
0.9294	0.9981	0.3801	2.8511	0.9725	0.9122	1.0205	1.0048	0.3685	2.7364	0.9882	0.9406
0.9594	0.9984	0.3730	2.8955	0.9784	0.9255	1.0514	1.0054	0.3632	2.7923	0.9928	0.9549
0.9965	0.9989	0.3653	2.9450	0.9848	0.9451	1.0886	1.0066	0.3575	2.8507	0.9971	0.9689
1.0340	0.9992	0.3592	2.9848	0.9898	0.9611	1.1257	1.0077	0.3521	2.9102	1.0002	0.9792
1.0685	0.9997	0.3545	3.0168	0.9937	0.9732	1.1587	1.0086	0.3462	2.9701	1.0019	0.9854
1.1025	0.9999	0.3511	3.0537	0.9965	0.9876	1.1886	1.0092	0.3411	3.0311	1.0029	0.9889
1.1352	1.0000	0.3485	3.0854	0.9982	0.9937	1.2207	1.0097	0.3362	3.0936	1.0036	0.9912
1.1667	0.9999	0.3477	3.0628	0.9992	0.9972	1.2567	1.0097	0.3311	3.1567	1.0040	0.9927
1.2021	0.9992	0.3470	3.0078	0.9998	0.9992	1.2967	1.0099	0.3262	3.2207	1.0040	0.9927

DEL = .1154
 THETA = .0482
 RHO = 3.2304 KG/M**3
 DEL* = .2654 CM
 UE = 638.1 M/SEC
 RUN = 1007

MACH = 3.00 ALPHA = 4.20 RPM = 0.				PO = 298.2 KPA Z/D = 5.56 PW = 7.27 KPA				TO = 307.8 K PHI = 190. REL = 7269583.								
MACH = 3.00 ALPHA = 4.20 RPM = 2000.				PO = 298.2 KPA Z/D = 5.56 PW = 7.27 KPA				TO = 307.8 K PHI = 190. REL = 7269583.								
Y/DEL	T/T0	M	U/UE	Y/DEL	T/T0	M	U/UE	Y/DEL	T/T0	M	U/UE	Y/DEL	T/T0	M	U/UE	
0.0000	0.9218	0.0000	0.0000	0.0000	0.9217	0.0000	0.0000	0.0000	0.9217	0.0000	0.0000	0.0000	0.9217	0.0000	0.0000	
0.0122	0.9552	0.8414	0.4179	0.0233	0.9620	0.7946	0.4378	0.0233	0.9620	0.7946	0.4378	0.0233	0.9620	0.7946	0.4378	
0.0258	0.9615	0.7996	0.4980	0.0434	0.9669	0.7556	0.4603	0.0434	0.9669	0.7556	0.4603	0.0434	0.9669	0.7556	0.4603	
0.0455	0.9668	0.7582	0.5656	0.0768	0.9706	0.7201	0.4830	0.0768	0.9706	0.7201	0.4830	0.0768	0.9706	0.7201	0.4830	
0.0777	0.9707	0.7234	0.6158	0.1057	0.9733	0.6978	0.4986	0.1057	0.9733	0.6978	0.4986	0.1057	0.9733	0.6978	0.4986	
0.1107	0.9728	0.7012	0.6454	0.1423	0.9751	0.6776	0.5133	0.1423	0.9751	0.6776	0.5133	0.1423	0.9751	0.6776	0.5133	
0.1440	0.9747	0.6816	0.6705	0.1836	0.9772	0.6536	0.5320	0.1836	0.9772	0.6536	0.5320	0.1836	0.9772	0.6536	0.5320	
0.1895	0.9770	0.6576	0.6999	0.2317	0.9794	0.6310	0.5513	0.2317	0.9794	0.6310	0.5513	0.2317	0.9794	0.6310	0.5513	
0.2383	0.9791	0.6335	0.7277	0.2820	0.9813	0.6091	0.5711	0.2820	0.9813	0.6091	0.5711	0.2820	0.9813	0.6091	0.5711	
0.2853	0.9808	0.6118	0.7524	0.3337	0.9834	0.5859	0.5928	0.3337	0.9834	0.5859	0.5928	0.3337	0.9834	0.5859	0.5928	
0.3396	0.9828	0.5878	0.7785	0.3854	0.9849	0.5639	0.6144	0.3854	0.9849	0.5639	0.6144	0.3854	0.9849	0.5639	0.6144	
0.3838	0.9847	0.5672	0.8042	0.4338	0.9866	0.5423	0.6325	0.4338	0.9866	0.5423	0.6325	0.4338	0.9866	0.5423	0.6325	
0.4389	0.9863	0.5435	0.8242	0.4854	0.9880	0.5212	0.6505	0.4854	0.9880	0.5212	0.6505	0.4854	0.9880	0.5212	0.6505	
0.4845	0.9879	0.5255	0.8422	0.5321	0.9895	0.5005	0.6682	0.5321	0.9895	0.5005	0.6682	0.5321	0.9895	0.5005	0.6682	
0.5383	0.9895	0.5040	0.8629	0.5811	0.9909	0.4801	0.6861	0.5811	0.9909	0.4801	0.6861	0.5811	0.9909	0.4801	0.6861	
0.5915	0.9909	0.4838	0.8819	0.6321	0.9923	0.4581	0.7041	0.6321	0.9923	0.4581	0.7041	0.6321	0.9923	0.4581	0.7041	
0.6446	0.9923	0.4644	0.8998	0.6873	0.9931	0.4359	0.7200	0.6873	0.9931	0.4359	0.7200	0.6873	0.9931	0.4359	0.7200	
0.6974	0.9934	0.4476	0.9150	0.7335	0.9944	0.4139	0.7361	0.7335	0.9944	0.4139	0.7361	0.7335	0.9944	0.4139	0.7361	
0.7473	0.9945	0.4308	0.9299	0.7852	0.9953	0.3923	0.7489	0.7852	0.9953	0.3923	0.7489	0.7852	0.9953	0.3923	0.7489	
0.7974	0.9954	0.4153	0.9434	0.8380	0.9965	0.3698	0.7614	0.8380	0.9965	0.3698	0.7614	0.8380	0.9965	0.3698	0.7614	
0.8530	0.9962	0.3995	0.9565	0.8911	0.9973	0.3479	0.7741	0.8911	0.9973	0.3479	0.7741	0.8911	0.9973	0.3479	0.7741	
0.9058	0.9974	0.3862	0.9682	0.9443	0.9978	0.3258	0.7868	0.9443	0.9978	0.3258	0.7868	0.9443	0.9978	0.3258	0.7868	
0.9565	0.9980	0.3750	0.9776	0.9978	0.9988	0.3037	0.7995	0.9978	0.9988	0.3037	0.7995	0.9978	0.9988	0.3037	0.7995	
1.0105	0.9987	0.3640	0.9867	1.0443	0.9994	0.2816	0.8122	1.0443	0.9994	0.2816	0.8122	1.0443	0.9994	0.2816	0.8122	
1.0595	0.9990	0.3527	0.9935	1.0947	0.9998	0.2595	0.8249	1.0947	0.9998	0.2595	0.8249	1.0947	0.9998	0.2595	0.8249	
1.1187	0.9995	0.3404	0.9979	1.1448	0.9999	0.2374	0.8376	1.1448	0.9999	0.2374	0.8376	1.1448	0.9999	0.2374	0.8376	
1.1698	0.9996	0.3283	0.9996	1.1949	0.9999	0.2153	0.8503	1.1949	0.9999	0.2153	0.8503	1.1949	0.9999	0.2153	0.8503	
1.2026	0.9996	0.3162	0.9999	1.2450	0.9999	0.1932	0.8630	1.2450	0.9999	0.1932	0.8630	1.2450	0.9999	0.1932	0.8630	
1.2391	0.9995	0.3041	1.0002	1.2951	0.9999	0.1711	0.8757	1.2951	0.9999	0.1711	0.8757	1.2951	0.9999	0.1711	0.8757	
1.2735	0.9997	0.2920	1.0002	1.3452	0.9999	0.1490	0.8884	1.3452	0.9999	0.1490	0.8884	1.3452	0.9999	0.1490	0.8884	
1.3464	0.9997	0.2800	1.0002	1.3953	0.9999	0.1269	0.9011	1.3953	0.9999	0.1269	0.9011	1.3953	0.9999	0.1269	0.9011	
1.5191	0.9997	0.2679	1.0001	1.4454	0.9999	0.1048	0.9138	1.4454	0.9999	0.1048	0.9138	1.4454	0.9999	0.1048	0.9138	
1.6932	0.9996	0.2558	1.0001	1.4955	0.9999	0.0827	0.9265	1.4955	0.9999	0.0827	0.9265	1.4955	0.9999	0.0827	0.9265	
1.8614	0.9998	0.2437	1.0000	1.5456	0.9999	0.0606	0.9392	1.5456	0.9999	0.0606	0.9392	1.5456	0.9999	0.0606	0.9392	
DEL = 0.6258	DELU = 0.1139	DELTA = 0.2648 CM	DEL = 0.6258	DELU = 0.1139	DELTA = 0.2648 CM	DEL = 0.6258	DELU = 0.1139	DELTA = 0.2648 CM	DEL = 0.6258	DELU = 0.1139	DELTA = 0.2648 CM	DEL = 0.6258	DELU = 0.1139	DELTA = 0.2648 CM	DEL = 0.6258	DELU = 0.1139
THETA = 0.0858	H = 5.452	THETA = 0.0858	THETA = 0.0858	H = 5.452	THETA = 0.0858	THETA = 0.0858	H = 5.452	THETA = 0.0858	THETA = 0.0858	H = 5.452	THETA = 0.0858	THETA = 0.0858	H = 5.452	THETA = 0.0858	H = 5.452	THETA = 0.0858
RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3	RHO = 0.2391 KG/M**3

MACH = 3.00 TO = 298.2 KPA TO = 308.5 K TO = 309.0 K
 ALPHA = 4.20 Z/D = 5.56 PHI = 240. PHI = 240.
 RPM = 0. PW = 6.74 KPA REL = 7501987. REL = 7456802.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9204	0.9204	0.0000	0.0000	0.3657	0.0000	0.9203	0.9203	0.0000	0.0000	0.3648
0.0194	0.9331	0.9331	0.8466	0.4008	0.3975	0.0331	0.9331	0.9331	1.0333	0.5332	0.4332
0.0290	0.9567	0.9567	0.8272	0.4418	0.4070	0.0804	0.9676	0.7393	1.2428	0.5866	0.4541
0.0560	0.9863	0.9863	0.7531	0.5671	0.4469	0.1047	0.9708	0.7157	1.3349	0.6198	0.4693
0.1008	0.9724	0.9724	0.6975	0.6439	0.4825	0.1307	0.9726	0.6947	1.4143	0.6471	0.4832
0.1329	0.9753	0.9753	0.6692	0.6795	0.5030	0.1674	0.9751	0.6710	1.5052	0.6768	0.5005
0.1765	0.9779	0.9779	0.6395	0.7144	0.5262	0.2075	0.9773	0.5478	1.5945	0.7045	0.5184
0.2220	0.9802	0.9802	0.6152	0.7420	0.5471	0.2477	0.9786	0.6284	1.6697	0.7266	0.5343
0.2612	0.9818	0.9818	0.5967	0.7621	0.5642	0.2851	0.9806	0.6105	1.7409	0.7466	0.5501
0.3006	0.9830	0.9830	0.5800	0.7796	0.5802	0.3391	0.9828	0.5857	1.8414	0.7734	0.5735
0.3575	0.9852	0.9852	0.5545	0.8060	0.6011	0.3845	0.9841	0.5658	1.9225	0.7938	0.5934
0.4028	0.9868	0.9868	0.5346	0.8258	0.6257	0.4427	0.9863	0.5404	2.0310	0.8195	0.6214
0.4701	0.9885	0.9885	0.5093	0.8502	0.6609	0.5033	0.9882	0.5150	2.1431	0.8442	0.6520
0.5275	0.9903	0.9903	0.4865	0.8717	0.6919	0.5545	0.9899	0.4938	2.2414	0.8644	0.6802
0.5816	0.9917	0.9917	0.4671	0.8895	0.7207	0.6034	0.9912	0.4732	2.3388	0.8832	0.7055
0.6347	0.9928	0.9928	0.4485	0.9061	0.7503	0.6578	0.9930	0.4531	2.4408	0.9016	0.7414
0.6868	0.9942	0.9942	0.4304	0.9221	0.7821	0.7127	0.9941	0.4337	2.5419	0.9187	0.7745
0.7344	0.9953	0.9953	0.4138	0.9365	0.8136	0.7627	0.9953	0.4157	2.6401	0.9343	0.8075
0.8041	0.9965	0.9965	0.3975	0.9502	0.8452	0.8226	0.9966	0.3982	2.7408	0.9492	0.8435
0.8604	0.9975	0.9975	0.3831	0.9625	0.8788	0.8713	0.9972	0.3846	2.8223	0.9606	0.8733
0.9203	0.9981	0.9981	0.3705	0.9726	0.9076	0.9266	0.9982	0.3704	2.9109	0.9724	0.9067
0.9735	0.9989	0.9989	0.3600	0.9816	0.9352	0.9756	0.9991	0.3590	2.9857	0.9818	0.9357
1.0304	0.9995	0.9995	0.3515	0.9885	0.9578	1.0379	0.9997	0.3495	3.0473	0.9892	0.9601
1.0906	0.9996	0.9996	0.3457	0.9932	0.9735	1.0922	0.9995	0.3442	3.0864	0.9938	0.9759
1.1463	1.0000	1.0000	0.3427	0.9956	0.9824	1.1450	1.0000	0.3415	3.1054	0.9960	0.9827
1.2072	1.0001	1.0001	0.3409	0.9970	0.9876	1.2038	1.0003	0.3400	3.1164	0.9972	0.9881
1.2661	1.0002	1.0002	0.3406	0.9973	0.9886	1.2599	1.0005	0.3394	3.1222	0.9977	0.9901
1.3230	1.0002	1.0002	0.3401	0.9976	0.9898	1.3725	1.0006	0.3388	3.1253	0.9982	0.9918
1.4447	1.0002	1.0002	0.3395	0.9980	0.9912	1.5322	1.0002	0.3382	3.1282	0.9985	0.9930
1.6137	1.0006	1.0006	0.3394	0.9984	0.9924	1.8025	1.0004	0.3378	3.1320	0.9990	0.9946
1.8993	1.0002	1.0002	0.3386	0.9989	0.9943	2.0824	1.0005	0.3372	3.1361	0.9994	0.9963
2.1885	1.0003	1.0003	0.3381	0.9993	0.9957	2.3525	1.0003	0.3368	3.1387	0.9997	0.9973
2.4820	1.0003	1.0003	0.3377	0.9996	0.9965	2.6377	1.0003	0.3366	3.1403	0.9999	0.9980
2.7477	1.0007	1.0007	0.3374	0.9999	0.9982	2.8562	1.0005	0.3364	3.1422	1.0002	0.9988
3.0113	1.0005	1.0005	0.3371	1.0001	0.9989						

CEL = 0.4010 DEL = 0.780 DEL* = 0.1769 CM
 THETA = 0.3001 H = 5.895 UE = 641.5 M/SEC
 RHOE = 0.2275 KG/M**3 RUN = 1025

MACH = 3.00	PO = 298.1 KPA	TO = 310.6 K			
ALPHA = 4.20	Z/D = 5.56	PHI = 300.			
RPM = 0.	PW = 7.86 KPA	REL = 7427807.			

Y/DEL	TT/TO	M	U/UE	RHO/RHOE
0.0000	0.9238	0.0000	0.0000	0.3951
0.0029	0.9275	0.8414	0.4278	0.4728
0.0052	0.9306	0.7967	0.5130	0.5155
0.0080	0.9336	0.7596	0.5738	0.5420
0.0099	0.9364	0.7104	0.6446	0.5570
0.0125	0.9399	0.6775	0.7104	0.5733
0.0158	0.9431	0.6338	0.7399	0.5966
0.0194	0.9466	0.5895	0.7707	0.6147
0.0231	0.9502	0.5406	0.7893	0.6365
0.0278	0.9542	0.5171	0.8084	0.6539
0.0320	0.9587	0.5574	0.8231	0.6658
0.03615	0.9634	0.5440	0.8369	0.6701
0.04194	0.9680	0.5242	0.8568	0.6727
0.04855	0.9728	0.5022	0.8781	0.67514
0.05460	0.9772	0.4824	0.8970	0.6772
0.06148	0.9821	0.4621	0.9158	0.6781
0.06884	0.9873	0.4467	0.9300	0.6795
0.07375	0.9926	0.4298	0.9451	0.6805
0.07935	0.9983	0.4161	0.9571	0.6821
0.08631	1.0041	0.4015	0.9695	0.6846
0.09506	1.0104	0.3895	0.9801	0.6880
0.10330	1.0170	0.3803	0.9880	0.69042
0.11105	1.0238	0.3745	0.9926	0.69370
0.12098	1.0304	0.3717	0.9953	0.69773
0.12956	1.0370	0.3694	0.9963	0.69843
0.14631	1.0435	0.3688	0.9972	0.69854
0.16410	1.0505	0.3685	0.9978	0.69905
0.18147	1.0570	0.3675	0.9980	0.69918
0.19995	1.0636	0.3676	0.9985	0.69925
0.22668	1.0700	0.3669	0.9988	0.69936
0.25282	1.0766	0.3664	0.9993	0.69957
0.29624	1.0835	0.3660	0.9998	0.69976
0.34184	1.0905	0.3660	1.0001	0.69999
0.38404	1.0976	0.3670	0.9992	0.69991
0.42420	1.1046	0.3667	0.9995	0.69993
0.46403	1.1116	0.3660	1.0001	0.69998

CEL = 0.2501	DEL = 0.358	DEL* = 0.917 CM
THETA = 0.1759	H = 5.212	UE = 629.4 M/SEC
RHOE = 0.2423 KG/M**3		RUN = 1045

MACH = 3.00	PO = 298.1 KPA	TO = 311.1 K
ALPHA = 4.20	Z/D = 5.56	PHI = 300.
RPM = 0.	PW = 7.86 KPA	REL = 7431126.

Y/DEL	TT/TO	M	U/UE	RHO/RHOE
0.0000	0.9238	0.0000	0.0000	0.3951
0.0029	0.9275	0.8414	0.4278	0.4728
0.0052	0.9306	0.7967	0.5130	0.5155
0.0080	0.9336	0.7596	0.5738	0.5420
0.0099	0.9364	0.7104	0.6446	0.5570
0.0125	0.9399	0.6775	0.7104	0.5733
0.0158	0.9431	0.6338	0.7399	0.5966
0.0194	0.9466	0.5895	0.7707	0.6147
0.0231	0.9502	0.5406	0.7893	0.6365
0.0278	0.9542	0.5171	0.8084	0.6539
0.0320	0.9587	0.5574	0.8231	0.6658
0.03615	0.9634	0.5440	0.8369	0.6701
0.04194	0.9680	0.5242	0.8568	0.6727
0.04855	0.9728	0.5022	0.8781	0.67514
0.05460	0.9772	0.4824	0.8970	0.6772
0.06148	0.9821	0.4621	0.9158	0.6781
0.06884	0.9873	0.4467	0.9300	0.6795
0.07375	0.9926	0.4298	0.9451	0.6805
0.07935	0.9983	0.4161	0.9571	0.6821
0.08631	1.0041	0.4015	0.9695	0.6846
0.09506	1.0104	0.3895	0.9801	0.6880
0.10330	1.0170	0.3803	0.9880	0.69042
0.11105	1.0238	0.3745	0.9926	0.69370
0.12098	1.0304	0.3717	0.9953	0.69773
0.12956	1.0370	0.3694	0.9963	0.69843
0.14631	1.0435	0.3688	0.9972	0.69854
0.16410	1.0505	0.3685	0.9978	0.69905
0.18147	1.0570	0.3675	0.9980	0.69918
0.19995	1.0636	0.3676	0.9985	0.69925
0.22668	1.0700	0.3669	0.9988	0.69936
0.25282	1.0766	0.3664	0.9993	0.69957
0.29624	1.0835	0.3660	0.9998	0.69976
0.34184	1.0905	0.3660	1.0001	0.69999
0.38404	1.0976	0.3670	0.9992	0.69991
0.42420	1.1046	0.3667	0.9995	0.69993
0.46403	1.1116	0.3660	1.0001	0.69998

CEL = 0.2501	DEL = 0.358	DEL* = 0.925 CM
THETA = 0.1759	H = 5.347	UE = 629.7 M/SEC
RHOE = 0.2423 KG/M**3		RUN = 1046

MACH = 3.00 PO = 298.4 KPA TO = 305.0 K
 ALPHA = 5.28 Z/D = 5.56 PHI = 150.
 RPM = 2000. PW = 7.09 KPA REL = 7377905.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9215 0.9215 0.0000 0.0000 0.3756
 0.0137 0.9535 0.9535 0.7660 0.5162 0.4388
 0.0360 0.9667 0.9667 1.1720 0.5676 0.4576
 0.0733 0.9667 0.9667 1.1720 0.6015 0.4721
 0.1734 0.9695 0.9695 1.2590 0.6418 0.4920
 0.1423 0.9712 0.9712 1.3413 0.6739 0.5101
 0.1782 0.9740 0.9740 1.4163 0.7006 0.5272
 0.2144 0.9756 0.9756 1.4892 0.7249 0.5444
 0.2542 0.9778 0.9778 1.5642 0.7459 0.5608
 0.2898 0.9793 0.9793 1.6248 0.7661 0.5760
 0.3313 0.9808 0.9808 1.7027 0.7841 0.5947
 0.3658 0.9823 0.9823 1.7701 0.8039 0.6148
 0.4058 0.9838 0.9838 1.8462 0.8210 0.6338
 0.4426 0.9852 0.9852 1.9173 0.8404 0.6573
 0.4829 0.9867 0.9867 1.9953 0.8584 0.6814
 0.5152 0.9879 0.9879 2.0635 0.8738 0.7035
 0.5546 0.9894 0.9894 2.1439 0.8869 0.7246
 0.5963 0.9907 0.9907 2.2232 0.9021 0.7506
 0.6355 0.9919 0.9919 2.3063 0.9149 0.7746
 0.6800 0.9930 0.9930 2.3851 0.9277 0.8005
 0.7125 0.9940 0.9940 2.4586 0.9370 0.8206
 0.7536 0.9951 0.9951 2.5239 0.9479 0.8460
 0.7958 0.9961 0.9961 2.6080 0.9579 0.8708
 0.8346 0.9972 0.9972 2.6850 0.9672 0.8956
 0.8748 0.9978 0.9978 2.7559 0.9748 0.9171
 0.9115 0.9984 0.9984 2.8162 0.9816 0.9372
 0.9505 0.9990 0.9990 2.8766 0.9871 0.9547
 0.9923 0.9995 0.9995 2.9384 0.9917 0.9655
 1.0324 1.0003 1.0003 2.9930 0.9951 0.9811
 1.0736 1.0004 1.0004 3.0449 0.9972 0.9882
 1.1110 1.0005 1.0005 3.0952 0.9984 0.9924
 1.1567 1.0005 1.0005 3.1430 0.9989 0.9942
 1.2284 1.0010 1.0010 3.1880 0.9992 0.9953
 1.4292 1.0011 1.0011 3.2305 0.9993 0.9957
 1.6198 1.0011 1.0011 3.2729 0.9996 0.9967
 1.8143 1.0013 1.0013 3.3143 0.9999 0.9975
 1.9980 1.0011 1.0011 3.3548 1.0000 0.9980
 2.1462 1.0007 1.0007 3.4048 1.0002 0.9987
 2.2462 1.0007 1.0007 3.4668 1.0003 0.9985

MACH = 3.00 PO = 298.4 KPA TO = 304.6 K
 ALPHA = 5.28 Z/D = 5.56 PHI = 150.
 RPM = 2000. PW = 7.09 KPA REL = 7394651.

Y/DEL TT/TO T/TO M U/UE RHO/RHOE
 0.0000 0.9215 0.9215 0.0000 0.0000 0.3749
 0.0137 0.9535 0.9535 0.7660 0.3913 0.4050
 0.0360 0.9667 0.9667 1.1720 0.4866 0.4288
 0.0733 0.9667 0.9667 1.1720 0.5646 0.4556
 0.1734 0.9695 0.9695 1.2590 0.5975 0.4655
 0.1423 0.9712 0.9712 1.3413 0.6272 0.4835
 0.1782 0.9740 0.9740 1.4163 0.6531 0.4972
 0.2144 0.9756 0.9756 1.4892 0.6772 0.5112
 0.2542 0.9778 0.9778 1.5642 0.7009 0.5265
 0.2898 0.9793 0.9793 1.6248 0.7193 0.5354
 0.3313 0.9808 0.9808 1.7027 0.7420 0.5567
 0.3658 0.9823 0.9823 1.7701 0.7608 0.5724
 0.4058 0.9838 0.9838 1.8462 0.7810 0.5908
 0.4426 0.9852 0.9852 1.9173 0.7990 0.6088
 0.4829 0.9867 0.9867 1.9953 0.8179 0.6292
 0.5152 0.9879 0.9879 2.0635 0.8336 0.6478
 0.5546 0.9894 0.9894 2.1439 0.8513 0.6706
 0.5963 0.9907 0.9907 2.2232 0.8678 0.6939
 0.6355 0.9919 0.9919 2.3063 0.8842 0.7152
 0.6800 0.9930 0.9930 2.3851 0.8990 0.7442
 0.7125 0.9940 0.9940 2.4586 0.9121 0.7682
 0.7536 0.9951 0.9951 2.5239 0.9232 0.7902
 0.7958 0.9961 0.9961 2.6080 0.9369 0.8153
 0.8346 0.9972 0.9972 2.6850 0.9487 0.8468
 0.8748 0.9978 0.9978 2.7559 0.9591 0.8729
 0.9115 0.9984 0.9984 2.8162 0.9676 0.8956
 0.9505 0.9990 0.9990 2.8766 0.9758 0.9185
 0.9923 0.9995 0.9995 2.9384 0.9838 0.9422
 1.0324 1.0003 1.0003 2.9930 0.9894 0.9610
 1.0736 1.0004 1.0004 3.0449 0.9934 0.9742
 1.1110 1.0005 1.0005 3.0952 0.9960 0.9829
 1.1567 1.0005 1.0005 3.1430 0.9979 0.9856
 1.2284 1.0010 1.0010 3.1880 0.9991 0.9937
 1.4292 1.0011 1.0011 3.2305 1.0000 0.9958
 1.6198 1.0011 1.0011 3.2729 1.0003 0.9975
 1.8143 1.0013 1.0013 3.3143 1.0002 0.9976
 1.9980 1.0011 1.0011 3.3548 1.0005 0.9986

CEL = 0.5568 DELL = .1136 DEL** = .2528 CM
 THETA = .04467 H = 5.659 UE = 632.4 M/SEC
 RHOE = 0.2359 KG/M**3 H = 5.645
 CEL = 0.5195 DELL = .0976 DEL** = .2210 CM
 THETA = .03915 H = 5.645 UE = 632.6 M/SEC
 RHOE = 0.2351 KG/M**3 H = 5.645
 CEL = 0.5195 DELL = .0976 DEL** = .2210 CM
 THETA = .03915 H = 5.645 UE = 632.6 M/SEC
 RHOE = 0.2351 KG/M**3 H = 5.645
 CEL = 0.5195 DELL = .0976 DEL** = .2210 CM
 THETA = .03915 H = 5.645 UE = 632.6 M/SEC
 RHOE = 0.2351 KG/M**3 H = 5.645

MACH = 3.00 PO = 298.5 KPA TO = 305.5 K DEL = 0.7345 DELU = 1269 DEL* = 3041 CM
 ALPHA = 5.28 Z/D = 5.56 PHI = 170. THETA = .05543 H = 5.486 UE = 633.3 M/SEC
 RPM = 20000. PW = 7.26 KPA REL = 7358767. RHOE = 0.2408 KG/M**3 RUN = 4025

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9215	0.9215	0.0000	0.0000	0.3745	0.0000	0.9215	0.9215	0.0000	0.0000	0.3753	0.0000	0.9215	0.9215	0.0000	0.0000	0.3753
0.0104	0.9545	0.8454	0.8035	0.4090	0.4088	0.0300	0.9215	0.9215	0.8035	0.4090	0.4088	0.0300	0.9215	0.9215	0.8035	0.4090	0.4088
0.0258	0.9623	0.7927	1.0342	0.5098	0.4358	0.0473	0.9661	0.7611	1.1604	0.5603	0.4543	0.0473	0.9661	0.7611	1.1604	0.5603	0.4543
0.0436	0.9672	0.7550	1.1854	0.5702	0.4577	0.0713	0.9694	0.7320	1.2734	0.6030	0.4723	0.0713	0.9694	0.7320	1.2734	0.6030	0.4723
0.0704	0.9710	0.7208	1.3175	0.6192	0.4754	0.1126	0.9729	0.7058	1.3928	0.6454	0.4934	0.1126	0.9729	0.7058	1.3928	0.6454	0.4934
0.1089	0.9739	0.6925	1.4253	0.6566	0.4950	0.1495	0.9755	0.6758	1.4690	0.6774	0.5118	0.1495	0.9755	0.6758	1.4690	0.6774	0.5118
0.1502	0.9765	0.6655	1.5284	0.6993	0.5152	0.1951	0.9777	0.6504	1.5864	0.7081	0.5318	0.1951	0.9777	0.6504	1.5864	0.7081	0.5318
0.1920	0.9784	0.6444	1.6100	0.7155	0.5363	0.2344	0.9799	0.6275	1.6742	0.7342	0.5509	0.2344	0.9799	0.6275	1.6742	0.7342	0.5509
0.2301	0.9804	0.6246	1.6876	0.7383	0.5523	0.2758	0.9817	0.6058	1.7571	0.7576	0.5699	0.2758	0.9817	0.6058	1.7571	0.7576	0.5699
0.2752	0.9824	0.6010	1.7814	0.7644	0.5751	0.3203	0.9832	0.5849	1.8342	0.7782	0.5885	0.3203	0.9832	0.5849	1.8342	0.7782	0.5885
0.3149	0.9838	0.5840	1.8503	0.7826	0.5919	0.3595	0.9849	0.5681	1.9153	0.7989	0.6089	0.3595	0.9849	0.5681	1.9153	0.7989	0.6089
0.3580	0.9856	0.5640	1.9331	0.8035	0.6129	0.4007	0.9867	0.5467	2.0060	0.8208	0.6228	0.4007	0.9867	0.5467	2.0060	0.8208	0.6228
0.3980	0.9867	0.5474	2.0032	0.8234	0.6314	0.4530	0.9879	0.5289	2.0829	0.8383	0.6325	0.4530	0.9879	0.5289	2.0829	0.8383	0.6325
0.4434	0.9883	0.5292	2.0825	0.8385	0.6522	0.4964	0.9896	0.5115	2.1620	0.8555	0.6745	0.4964	0.9896	0.5115	2.1620	0.8555	0.6745
0.4898	0.9894	0.5106	2.1654	0.8565	0.6769	0.5373	0.9906	0.4945	2.2378	0.8711	0.6990	0.5373	0.9906	0.4945	2.2378	0.8711	0.6990
0.5346	0.9908	0.4946	2.2398	0.8718	0.6989	0.5845	0.9918	0.4778	2.3192	0.8871	0.7241	0.5845	0.9918	0.4778	2.3192	0.8871	0.7241
0.5778	0.9921	0.4786	2.3161	0.8868	0.7224	0.6309	0.9930	0.4627	2.3941	0.9011	0.7479	0.6309	0.9930	0.4627	2.3941	0.9011	0.7479
0.6237	0.9931	0.4643	2.3865	0.8999	0.7447	0.6776	0.9941	0.4472	2.4722	0.9149	0.7735	0.6776	0.9941	0.4472	2.4722	0.9149	0.7735
0.6662	0.9941	0.4503	2.4570	0.9125	0.7677	0.7209	0.9950	0.4340	2.5420	0.9266	0.7972	0.7209	0.9950	0.4340	2.5420	0.9266	0.7972
0.7072	0.9949	0.4378	2.5223	0.9237	0.7897	0.7644	0.9959	0.4221	2.6070	0.9371	0.8198	0.7644	0.9959	0.4221	2.6070	0.9371	0.8198
0.7556	0.9961	0.4235	2.6000	0.9363	0.8166	0.8155	0.9966	0.4088	2.6814	0.9486	0.8465	0.8155	0.9966	0.4088	2.6814	0.9486	0.8465
0.8025	0.9970	0.4117	2.6660	0.9466	0.8400	0.8520	0.9975	0.3983	2.7426	0.9576	0.8689	0.8520	0.9975	0.3983	2.7426	0.9576	0.8689
0.8487	0.9975	0.4010	2.7275	0.9557	0.8625	0.9060	0.9985	0.3862	2.8156	0.9680	0.8963	0.9060	0.9985	0.3862	2.8156	0.9680	0.8963
0.8955	0.9984	0.3902	2.7919	0.9649	0.8865	0.9533	0.9989	0.3761	2.8777	0.9764	0.9203	0.9533	0.9989	0.3761	2.8777	0.9764	0.9203
0.9421	0.9989	0.3785	2.8605	0.9744	0.9127	0.9938	0.9996	0.3675	2.9327	0.9835	0.9419	0.9938	0.9996	0.3675	2.9327	0.9835	0.9419
0.9821	0.9997	0.3698	2.9183	0.9820	0.9353	1.0429	1.0002	0.3590	3.0366	0.9914	0.9670	1.0429	1.0002	0.3590	3.0366	0.9914	0.9670
1.0305	1.0005	0.3604	2.9832	0.9898	0.9600	1.0880	1.0006	0.3518	3.0366	0.9964	0.9839	1.0880	1.0006	0.3518	3.0366	0.9964	0.9839
1.0755	1.0009	0.3538	3.0237	0.9951	0.9776	1.1284	1.0010	0.3489	3.0366	0.9988	0.9923	1.1284	1.0010	0.3489	3.0366	0.9988	0.9923
1.1190	1.0009	0.3501	3.0487	0.9981	0.9875	1.1805	1.0009	0.3471	3.0688	1.0002	0.9972	1.1805	1.0009	0.3471	3.0688	1.0002	0.9972
1.1634	1.0014	0.3481	3.0633	0.9999	0.9935	1.2356	1.0009	0.3468	3.0712	1.0005	0.9982	1.2356	1.0009	0.3468	3.0712	1.0005	0.9982
1.2071	1.0015	0.3470	3.0712	1.0008	0.9972	1.2990	1.0009	0.3468	3.0712	1.0005	0.9982	1.2990	1.0009	0.3468	3.0712	1.0005	0.9982
1.2840	1.0015	0.3466	3.0736	1.0011	0.9982	1.3596	1.0011	0.3466	3.0736	1.0007	0.9990	1.3596	1.0011	0.3466	3.0736	1.0007	0.9990
1.3445	1.0015	0.3466	3.0736	1.0011	0.9982	1.4311	1.0011	0.3466	3.0736	1.0007	0.9990	1.4311	1.0011	0.3466	3.0736	1.0007	0.9990
1.4028	1.0017	0.3466	3.0739	1.0012	0.9984	1.4811	1.0013	0.3466	3.0733	1.0007	0.9991	1.4811	1.0013	0.3466	3.0733	1.0007	0.9991
1.4623	1.0017	0.3466	3.0739	1.0012	0.9984	1.6218	1.0013	0.3467	3.0724	1.0006	0.9987	1.6218	1.0013	0.3467	3.0724	1.0006	0.9987
1.5984	1.0020	0.3465	3.0730	1.0010	0.9980												

CEL = 0.7260 DELU = 1311 DEL* = 3044 CM
 THETA = .05457 H = 5.579 UE = 634.0 M/SEC
 RHOE = 0.2403 KG/M**3 RUN = 4026

MACH = 3.00 PO = 298.2 KPA TO = 307.8 K DELTA = 0.7308 DEL = 0.3059 CM
 ALPHA = 5.28 Z/D = 5.56 PHI = 190. THETA = 0.5645 UE = 635.1 M/SEC
 RPM = 0. PW = 7.25 KPA REL = 7272806. RHOE = 0.2390 KG/M**3 RUN = 4035

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9217	0.9217	0.0000	0.0000	0.3771
0.0104	0.9337	0.8497	0.7821	0.3993	0.4318
0.0225	0.9583	0.8216	0.9120	0.4579	0.4481
0.0361	0.9647	0.7765	1.1010	0.5373	0.4655
0.0480	0.9673	0.7553	1.1845	0.5701	0.4846
0.0728	0.9700	0.7296	1.2836	0.6073	0.5008
0.0986	0.9720	0.7104	1.3569	0.6335	0.5135
0.1254	0.9738	0.6922	1.4265	0.6573	0.5275
0.1549	0.9757	0.6745	1.4930	0.6793	0.5406
0.2095	0.9785	0.6446	1.6095	0.7157	0.5727
0.2640	0.9809	0.6179	1.7139	0.7461	0.5981
0.3219	0.9831	0.5908	1.8222	0.7757	0.6239
0.3830	0.9853	0.5643	1.9312	0.8035	0.6480
0.4374	0.9868	0.5416	2.0276	0.8265	0.6732
0.4990	0.9888	0.5173	2.1350	0.8504	0.7022
0.5530	0.9905	0.4966	2.2300	0.8703	0.7315
0.6124	0.9921	0.4751	2.327	0.8904	0.7606
0.6704	0.9932	0.4554	2.4201	0.9092	0.7922
0.7368	0.9948	0.4343	2.5402	0.9271	0.8247
0.7928	0.9961	0.4175	2.6300	0.9415	0.8594
0.8541	0.9972	0.4010	2.7263	0.9560	0.8918
0.9177	0.9982	0.3852	2.8206	0.9694	0.9260
0.9762	0.9989	0.3714	2.9062	0.9809	0.9555
1.0361	0.9995	0.3592	2.9845	0.9908	0.9820
1.0959	1.0001	0.3515	3.0349	0.9970	0.9985
1.1566	1.0005	0.3488	3.0567	0.9996	0.9996
1.2162	1.0005	0.3481	3.0616	1.0002	0.9998
1.3090	1.0004	0.3477	3.0637	1.0004	0.9996
1.4544	1.0006	0.3476	3.0646	1.0004	0.9994
1.5961	1.0007	0.3475	3.0634	1.0004	0.9994

CEL = 0.7308 DELTA = 0.5645 H = 5.475 DEL = 0.3059 CM
 THETA = 0.5645 UE = 635.1 M/SEC
 RHOE = 0.2390 KG/M**3 RUN = 4035

MACH = 3.00 P0 = 259.2 MPa TO = 307.4 M DEL = 2597 CM
 ALPHA = 5.56 Z/D = 5.56 PHI = 21C UE = 636.3 M/SEC
 PPM = 0.0 PM = 7.05 MPa DEL = 7232554. RUN = 4046

V/DEL	T/T0	T/T0	M	U/UE	RHO/RHOE	V/DEL	T/T0	T/T0	M	U/UE	RHO/RHOE
0.3030	0.9213	0.9213	0.0000	0.0000	0.0000	0.3030	0.9213	0.9213	0.0000	0.0000	0.0000
0.0231	0.9520	0.9560	0.7489	0.3824	0.4015	0.0231	0.9520	0.9560	0.7489	0.3824	0.4015
0.0249	0.9573	0.9592	0.8502	0.4470	0.4164	0.0249	0.9573	0.9592	0.8502	0.4470	0.4164
0.0455	0.9632	0.9635	1.0697	0.5231	0.4350	0.0455	0.9632	0.9635	1.0697	0.5231	0.4350
0.0761	0.9670	0.9670	1.1956	0.5727	0.4575	0.0761	0.9670	0.9670	1.1956	0.5727	0.4575
0.1147	0.9695	0.9695	1.2214	0.6047	0.4714	0.1147	0.9695	0.9695	1.2214	0.6047	0.4714
0.1670	0.9728	0.9728	1.2567	0.6454	0.4917	0.1670	0.9728	0.9728	1.2567	0.6454	0.4917
0.2146	0.9750	0.9750	1.2876	0.6756	0.5050	0.2146	0.9750	0.9750	1.2876	0.6756	0.5050
0.2690	0.9775	0.9775	1.3249	0.7061	0.5265	0.2690	0.9775	0.9775	1.3249	0.7061	0.5265
0.3218	0.9795	0.9795	1.3612	0.7347	0.5452	0.3218	0.9795	0.9795	1.3612	0.7347	0.5452
0.3753	0.9819	0.9819	1.3925	0.7629	0.5732	0.3753	0.9819	0.9819	1.3925	0.7629	0.5732
0.4267	0.9835	0.9835	1.4229	0.7891	0.5977	0.4267	0.9835	0.9835	1.4229	0.7891	0.5977
0.4870	0.9861	0.9861	1.4542	0.8183	0.6258	0.4870	0.9861	0.9861	1.4542	0.8183	0.6258
0.5399	0.9879	0.9879	1.4822	0.8430	0.6550	0.5399	0.9879	0.9879	1.4822	0.8430	0.6550
0.5940	0.9895	0.9895	1.5064	0.8677	0.6832	0.5940	0.9895	0.9895	1.5064	0.8677	0.6832
0.6472	0.9914	0.9914	1.5299	0.8873	0.7235	0.6472	0.9914	0.9914	1.5299	0.8873	0.7235
0.7060	0.9931	0.9931	1.5494	0.9090	0.7622	0.7060	0.9931	0.9931	1.5494	0.9090	0.7622
0.7617	0.9948	0.9948	1.5654	0.9285	0.8014	0.7617	0.9948	0.9948	1.5654	0.9285	0.8014
0.8210	0.9960	0.9960	1.5785	0.9456	0.8358	0.8210	0.9960	0.9960	1.5785	0.9456	0.8358
0.8761	0.9972	0.9972	1.5892	0.9606	0.8775	0.8761	0.9972	0.9972	1.5892	0.9606	0.8775
0.9255	0.9978	0.9978	1.5977	0.9710	0.9041	0.9255	0.9978	0.9978	1.5977	0.9710	0.9041
0.9675	0.9984	0.9984	1.6035	0.9795	0.9312	0.9675	0.9984	0.9984	1.6035	0.9795	0.9312
1.0040	0.9989	0.9989	1.6066	0.9856	0.9504	1.0040	0.9989	0.9989	1.6066	0.9856	0.9504
1.0465	0.9995	0.9995	1.6086	0.9909	0.9677	1.0465	0.9995	0.9995	1.6086	0.9909	0.9677
1.0770	0.9997	0.9997	1.6093	0.9933	0.9777	1.0770	0.9997	0.9997	1.6093	0.9933	0.9777
1.1231	0.9999	0.9999	1.6097	0.9970	0.9883	1.1231	0.9999	0.9999	1.6097	0.9970	0.9883
1.1610	1.0000	1.0000	1.6098	0.9983	0.9925	1.1610	1.0000	1.0000	1.6098	0.9983	0.9925
1.2374	1.0001	1.0001	1.6099	0.9992	0.9962	1.2374	1.0001	1.0001	1.6099	0.9992	0.9962
1.4234	1.0003	1.0003	1.6100	0.9996	0.9977	1.4234	1.0003	1.0003	1.6100	0.9996	0.9977
1.6111	1.0002	1.0002	1.6099	0.9998	0.9952	1.6111	1.0002	1.0002	1.6099	0.9998	0.9952
1.7885	1.0004	1.0004	1.6099	1.0000	0.9951	1.7885	1.0004	1.0004	1.6099	1.0000	0.9951
1.9717	1.0004	1.0004	1.6099	1.0001	0.9954	1.9717	1.0004	1.0004	1.6099	1.0001	0.9954

DEL = 0.5833 DELL = 1193 DEL = 2597 CM
 THETA = 0.0466 H = 5.681 UE = 636.3 M/SEC
 RHOE = 0.2344 KG/M**3 RUN = 4046

MACH = 3.00				PO = 297.8 KPA				TO = 307.6 K			
ALPHA = 5.28				Z/D = 5.56				PHI = 240.			
RPM = 0.				PW = 6.45 KPA				REL = 7271500.			
Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9195	0.9195	0.0000	0.0000	0.3582	0.0000	0.9192	0.9192	0.0000	0.0000	0.3564
0.0200	0.9576	0.8095	0.9565	0.4702	0.4068	0.0479	0.9632	0.7684	1.1258	0.5384	0.4264
0.0400	0.9647	0.7572	1.1704	0.5564	0.4350	0.0669	0.9666	0.7417	1.2314	0.5786	0.4416
0.0600	0.9700	0.7140	1.3388	0.6181	0.4613	0.0947	0.9688	0.7223	1.3064	0.6057	0.4535
0.0800	0.9730	0.6854	1.4486	0.6552	0.4806	0.1182	0.9711	0.7022	1.3834	0.6325	0.4665
0.1000	0.9765	0.6485	1.5904	0.6997	0.5080	0.1404	0.9724	0.6876	1.4390	0.6510	0.4763
0.1200	0.9799	0.6095	1.7418	0.7431	0.5401	0.1893	0.9756	0.6566	1.5586	0.6890	0.4950
0.1400	0.9823	0.5815	1.8564	0.7734	0.5664	0.2415	0.9781	0.6294	1.6642	0.7203	0.5205
0.1600	0.9844	0.5584	1.9529	0.7972	0.5855	0.2881	0.9804	0.6027	1.7702	0.7497	0.5426
0.1800	0.9863	0.5334	2.0607	0.8221	0.6177	0.3441	0.9828	0.5762	1.8784	0.7778	0.5687
0.2000	0.9876	0.5140	2.1463	0.8407	0.6408	0.3925	0.9845	0.5530	1.9751	0.8013	0.5924
0.2200	0.9893	0.4930	2.2435	0.8606	0.6682	0.4405	0.9879	0.5314	2.0687	0.8227	0.6166
0.2400	0.9908	0.4715	2.3450	0.8800	0.6982	0.4979	0.9895	0.5075	2.1755	0.8455	0.6455
0.2600	0.9919	0.4544	2.4321	0.8956	0.7245	0.5468	0.9911	0.4864	2.2741	0.8652	0.6735
0.2800	0.9934	0.4350	2.5334	0.9128	0.7572	0.6006	0.9926	0.4637	2.3848	0.8859	0.7065
0.3000	0.9947	0.4186	2.6234	0.9271	0.7872	0.6465	0.9938	0.4448	2.4815	0.9028	0.7367
0.3200	0.9956	0.4027	2.7128	0.9405	0.8180	0.7035	0.9953	0.4252	2.5857	0.9198	0.7705
0.3400	0.9966	0.3871	2.8055	0.9536	0.8510	0.7514	0.9960	0.3911	2.6855	0.9351	0.8042
0.3600	0.9974	0.3743	2.8848	0.9642	0.8801	0.8057	0.9971	0.3775	2.7809	0.9488	0.8377
0.3800	0.9981	0.3635	2.9543	0.9731	0.9053	0.8536	0.9982	0.3628	2.8646	0.9601	0.8680
0.4000	0.9985	0.3532	3.0225	0.9814	0.9326	0.9193	0.9987	0.3512	2.9593	0.9722	0.9034
0.4200	0.9992	0.3460	3.0722	0.9872	0.9521	0.9721	0.9994	0.3439	3.0365	0.9815	0.9331
0.4400	0.9997	0.3405	3.1082	0.9913	0.9665	1.0219	0.9999	0.3399	3.0868	0.9874	0.9528
0.4600	0.9999	0.3374	3.1337	0.9942	0.9767	1.0252	0.9999	0.3349	3.1512	0.9946	0.9787
0.4800	1.0000	0.3358	3.1453	0.9955	0.9815	1.2340	1.0001	0.3321	3.1714	0.9968	0.9869
0.5000	1.0001	0.3346	3.1537	0.9964	0.9845	1.3421	1.0003	0.3314	3.1770	0.9974	0.9852
0.5200	1.0003	0.3342	3.1564	0.9967	0.9860	1.4628	1.0002	0.3310	3.1791	0.9977	0.9900
0.5400	1.0004	0.3335	3.1617	0.9973	0.9881	1.7311	1.0002	0.3302	3.1853	0.9983	0.9925
0.5600	1.0004	0.3328	3.1673	0.9979	0.9904	2.0345	1.0003	0.3296	3.1896	0.9988	0.9943
0.5800	1.0004	0.3321	3.1719	0.9984	0.9923	2.2705	1.0005	0.3291	3.1938	0.9992	0.9960
0.6000	1.0006	0.3314	3.1778	0.9993	0.9947	2.5399	1.0003	0.3286	3.1968	0.9996	0.9972
0.6200	1.0007	0.3308	3.1818	0.9995	0.9964	2.7943	1.0003	0.3282	3.1991	0.9998	0.9982
0.6400	1.0005	0.3303	3.1854	0.9998	0.9978	DEL = 0.4041	DEL = 0.4041	DEL = 0.4041	DEL = 0.4041	DEL = 0.4041	DEL = 0.4041
0.6600	0.93815	0.625	0.625	0.625	0.625	THETA = 0.0257	THETA = 0.0257	THETA = 0.0257	THETA = 0.0257	THETA = 0.0257	THETA = 0.0257
0.6800	0.02677	M = 5.768	M = 5.768	M = 5.768	M = 5.768	RHOE = 0.2231	RHOE = 0.2231	RHOE = 0.2231	RHOE = 0.2231	RHOE = 0.2231	RHOE = 0.2231
0.7000	0.2223	KG/M**3	KG/M**3	KG/M**3	KG/M**3	UE = 644.6	UE = 644.6	UE = 644.6	UE = 644.6	UE = 644.6	UE = 644.6
0.7200						RUN = 4052	RUN = 4052	RUN = 4052	RUN = 4052	RUN = 4052	RUN = 4052

MACH = 3.00 PO = 298.1 KPA TO = 307.0 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 0.
 RPM = 2000. PM = 8.66 KPA REL = 7302365.

Y/DEL	TT/TO	T/TO	M	N/2	RHO/RHOE
0.0000	0.9241	0.9241	0.0000	0.0000	0.9981
0.0010	0.9685	0.7558	1.1865	0.5302	0.9866
0.0020	0.9707	0.7343	1.2689	0.6118	0.9008
0.0030	0.9743	0.7033	1.3879	0.6548	0.5230
0.0040	0.9773	0.6720	1.5071	0.6950	0.5474
0.0050	0.9815	0.6467	1.6048	0.7259	0.5699
0.0060	0.9832	0.6267	1.6823	0.7492	0.5870
0.0070	0.9850	0.5996	1.7886	0.7793	0.6123
0.0080	0.9867	0.5798	1.8694	0.8008	0.6343
0.0090	0.9880	0.5575	1.9618	0.8242	0.6556
0.0100	0.9895	0.5308	2.0334	0.8413	0.6801
0.0110	0.9910	0.5254	2.1017	0.8569	0.7003
0.0120	0.9921	0.5045	2.1540	0.8769	0.7287
0.0130	0.9935	0.4923	2.2514	0.8888	0.7470
0.0140	0.9948	0.4752	2.3338	0.9050	0.7554
0.0150	0.9960	0.4621	2.3991	0.9173	0.7962
0.0160	0.9970	0.4499	2.4610	0.9285	0.8178
0.0170	0.9985	0.4414	2.5041	0.9360	0.8322
0.0180	0.9990	0.4305	2.5608	0.9456	0.8538
0.0190	0.9997	0.4120	2.6645	0.9621	0.8928
0.0200	0.9999	0.3987	2.7413	0.9737	0.9226
0.0210	0.9999	0.3855	2.8171	0.9846	0.9525
0.0220	0.9999	0.3771	2.8723	0.9922	0.9785
0.0230	0.9999	0.3725	2.9010	0.9961	0.9874
0.0240	0.9999	0.3706	2.9130	0.9977	0.9925
0.0250	0.9999	0.3696	2.9199	0.9986	0.9953
0.0260	0.9999	0.3694	2.9214	0.9988	0.9960
0.0270	0.9999	0.3694	2.9217	0.9988	0.9961
0.0280	0.9999	0.3694	2.9214	0.9988	0.9960
0.0290	0.9999	0.3692	2.9223	0.9989	0.9964
0.0300	0.9999	0.3694	2.9209	0.9987	0.9958
0.0310	0.9998	0.3713	2.9095	0.9972	0.9910
0.0320	0.9998	0.3718	2.9066	0.9968	0.9858
0.0330	0.9998	0.3735	2.9143	0.9978	0.9930
0.0340	0.9998	0.3696	2.9196	0.9985	0.9952
0.0350	0.9999	0.3692	2.9225	0.9989	0.9965
0.0360	0.9999	0.3687	2.9259	0.9993	0.9975

CEL = 0.1818 DELU = 0.0246
 THETA = 0.1153 H = 5.079
 RHOE = 0.2703 KG/M**3

MACH = 3.00 PO = 298.6 KPA TO = 307.2 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 0.
 RPM = 2000. PM = 8.66 KPA REL = 7290922.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9242	0.9242	0.0000	0.0000	0.9985
0.0010	0.9756	0.6886	1.4436	0.6741	0.5346
0.0020	0.9787	0.6566	1.5662	0.7141	0.5607
0.0030	0.9807	0.6344	1.6520	0.7404	0.5803
0.0040	0.9824	0.6171	1.7201	0.7603	0.5967
0.0050	0.9835	0.5985	1.7533	0.7808	0.6150
0.0060	0.9859	0.5708	1.9068	0.8107	0.6450
0.0070	0.9882	0.5436	2.0219	0.8388	0.6774
0.0080	0.9894	0.5291	2.0858	0.8536	0.6961
0.0090	0.9907	0.5094	2.1734	0.8728	0.7225
0.0100	0.9914	0.4987	2.2226	0.8831	0.7384
0.0110	0.9920	0.4902	2.2618	0.8911	0.7510
0.0120	0.9925	0.4812	2.3049	0.8997	0.7651
0.0130	0.9933	0.4692	2.3628	0.9108	0.7845
0.0140	0.9941	0.4576	2.4211	0.9216	0.8046
0.0150	0.9949	0.4452	2.4847	0.9329	0.8270
0.0160	0.9958	0.4335	2.5445	0.9431	0.8486
0.0170	0.9965	0.4210	2.6144	0.9545	0.8746
0.0180	0.9973	0.4115	2.6677	0.9629	0.8948
0.0190	0.9977	0.4022	2.7209	0.9710	0.9154
0.0200	0.9989	0.3839	2.8039	0.9830	0.9484
0.0210	0.9995	0.3792	2.8597	0.9908	0.9712
0.0220	0.9998	0.3732	2.9570	0.9958	0.9867
0.0230	0.9999	0.3711	2.9103	0.9976	0.9922
0.0240	0.9999	0.3697	2.9196	0.9984	0.9980
0.0250	0.9999	0.3696	2.9204	0.9989	0.9965
0.0260	0.9999	0.3696	2.9204	0.9989	0.9965
0.0270	0.9999	0.3695	2.9209	0.9990	0.9967
0.0280	0.9999	0.3695	2.9185	0.9987	0.9957
0.0290	0.9999	0.3717	2.9069	0.9971	0.9908
0.0300	0.9999	0.3721	2.9047	0.9968	0.9859
0.0310	0.9998	0.3712	2.9101	0.9975	0.9921
0.0320	0.9999	0.3700	2.9175	0.9985	0.9952
0.0330	0.9999	0.3696	2.9204	0.9989	0.9965
0.0340	0.9999	0.3691	2.9236	0.9993	0.9978
0.0350	0.9999	0.3688	2.9265	0.9997	0.9990
0.0360	0.9999	0.3684	2.9286	1.0000	0.9995
0.0370	0.9999	0.3683	2.9286	1.0000	0.9995

CEL = 0.1849 DELU = 0.0282
 THETA = 0.1148 H = 5.412
 RHOE = 0.2699 KG/M**3

MACH = 3.00 PO = 298.2 KPA TO = 307.7 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 30.
 RPM = 2000.0 PN = 8.12 KPA REL = 7272663.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5229	0.9229	0.0000	0.0000	0.3871
0.0000	0.5229	0.9229	0.0000	0.0000	0.3871
0.1046	0.9785	0.5195	1.4783	0.6797	0.5260
0.1162	0.9785	0.5195	1.5825	0.7129	0.5480
0.1512	0.9824	0.5086	1.7523	0.7627	0.5870
0.1717	0.9842	0.5845	1.8490	0.7988	0.6111
0.1951	0.9863	0.5576	1.9608	0.8169	0.6407
0.2538	0.9883	0.5310	2.0754	0.8438	0.6728
0.3306	0.9905	0.5038	2.1979	0.8703	0.7052
0.3928	0.9913	0.4905	2.2593	0.8829	0.7282
0.4674	0.9925	0.4733	2.3420	0.8990	0.7548
0.5422	0.9937	0.4555	2.4303	0.9153	0.7842
0.6236	0.9950	0.4367	2.5280	0.9322	0.8180
0.6963	0.9959	0.4216	2.6098	0.9455	0.8472
0.7662	0.9971	0.4073	2.6908	0.9581	0.8772
0.8488	0.9979	0.3937	2.7704	0.9698	0.9076
0.9315	0.9985	0.3821	2.8398	0.9795	0.9348
1.0280	0.9990	0.3732	2.8952	0.9870	0.9570
1.1386	0.9996	0.3669	2.9362	0.9923	0.9738
1.2647	0.9997	0.3621	2.9674	0.9963	0.9866
1.4045	1.0000	0.3612	2.9736	0.9971	0.9892
1.5625	1.0000	0.3605	2.9750	0.9972	0.9858
1.7875	1.0000	0.3608	2.9764	0.9974	0.9903
2.0937	1.0000	0.3631	2.9618	0.9956	0.9843
2.4241	0.9995	0.3623	2.9661	0.9961	0.9861
2.7636	0.9998	0.3608	2.9755	0.9973	0.9900
3.1277	1.0001	0.3591	2.9814	0.9980	0.9924
4.0625	1.0001	0.3591	2.9875	0.9988	0.9950
4.6018	1.0003	0.3586	2.9911	0.9993	0.9965
5.1351	1.0003	0.3582	2.9939	0.9996	0.9977
5.8510	1.0003	0.3579	2.9961	0.9999	0.9986

DEL = 0.0682 CM
 UE = 630.1 M/SEC
 RUN = 4045

MACH = 3.00 PO = 298.2 KPA TO = 307.6 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 30.
 RPM = 2000.0 PN = 8.12 KPA REL = 7277459.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5229	0.9229	0.0000	0.0000	0.3870
0.0000	0.5229	0.9229	0.0000	0.0000	0.3870
0.1046	0.9785	0.5195	1.4783	0.6797	0.4684
0.1162	0.9785	0.5195	1.5825	0.7129	0.4807
0.1512	0.9824	0.5086	1.7523	0.7627	0.5041
0.1717	0.9842	0.5845	1.8490	0.7988	0.5365
0.1951	0.9863	0.5576	1.9608	0.8169	0.5667
0.2538	0.9883	0.5310	2.0754	0.8438	0.5992
0.3306	0.9905	0.5038	2.1979	0.8703	0.6207
0.3928	0.9913	0.4905	2.2593	0.8829	0.6307
0.4674	0.9925	0.4733	2.3420	0.8990	0.6508
0.5422	0.9937	0.4555	2.4303	0.9153	0.6720
0.6236	0.9950	0.4367	2.5280	0.9322	0.6968
0.6963	0.9959	0.4216	2.6098	0.9455	0.7265
0.7662	0.9971	0.4073	2.6908	0.9581	0.7511
0.8488	0.9979	0.3937	2.7704	0.9698	0.7732
0.9315	0.9985	0.3821	2.8398	0.9795	0.7988
1.0280	0.9990	0.3732	2.8952	0.9870	0.8315
1.1386	0.9996	0.3669	2.9362	0.9923	0.8650
1.2647	0.9997	0.3621	2.9674	0.9963	0.8945
1.4045	1.0000	0.3612	2.9736	0.9971	0.9188
1.5625	1.0000	0.3605	2.9750	0.9972	0.9415
1.7875	1.0000	0.3608	2.9764	0.9974	0.9652
2.0937	1.0000	0.3631	2.9618	0.9956	0.9842
2.4241	0.9995	0.3623	2.9661	0.9961	0.9871
2.7636	0.9998	0.3608	2.9755	0.9973	0.9884
3.1277	1.0001	0.3591	2.9814	0.9980	0.9853
4.0625	1.0001	0.3591	2.9875	0.9988	0.9859
4.6018	1.0003	0.3586	2.9911	0.9993	0.9905
5.1351	1.0003	0.3582	2.9939	0.9996	0.9958
5.8510	1.0003	0.3579	2.9961	0.9999	0.9956

DEL = 0.0642 CM
 UE = 630.0 M/SEC
 RUN = 4048

MACH = 3.00 PO = 298.2 KPA TO = 307.6 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 30.
 RPM = 2000.0 PN = 8.12 KPA REL = 7277459.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5229	0.9229	0.0000	0.0000	0.3870
0.0000	0.5229	0.9229	0.0000	0.0000	0.3870
0.1046	0.9785	0.5195	1.4783	0.6797	0.4684
0.1162	0.9785	0.5195	1.5825	0.7129	0.4807
0.1512	0.9824	0.5086	1.7523	0.7627	0.5041
0.1717	0.9842	0.5845	1.8490	0.7988	0.5365
0.1951	0.9863	0.5576	1.9608	0.8169	0.5667
0.2538	0.9883	0.5310	2.0754	0.8438	0.5992
0.3306	0.9905	0.5038	2.1979	0.8703	0.6207
0.3928	0.9913	0.4905	2.2593	0.8829	0.6307
0.4674	0.9925	0.4733	2.3420	0.8990	0.6508
0.5422	0.9937	0.4555	2.4303	0.9153	0.6720
0.6236	0.9950	0.4367	2.5280	0.9322	0.6968
0.6963	0.9959	0.4216	2.6098	0.9455	0.7265
0.7662	0.9971	0.4073	2.6908	0.9581	0.7511
0.8488	0.9979	0.3937	2.7704	0.9698	0.7732
0.9315	0.9985	0.3821	2.8398	0.9795	0.7988
1.0280	0.9990	0.3732	2.8952	0.9870	0.8315
1.1386	0.9996	0.3669	2.9362	0.9923	0.8650
1.2647	0.9997	0.3621	2.9674	0.9963	0.8945
1.4045	1.0000	0.3612	2.9736	0.9971	0.9188
1.5625	1.0000	0.3605	2.9750	0.9972	0.9415
1.7875	1.0000	0.3608	2.9764	0.9974	0.9652
2.0937	1.0000	0.3631	2.9618	0.9956	0.9842
2.4241	0.9995	0.3623	2.9661	0.9961	0.9871
2.7636	0.9998	0.3608	2.9755	0.9973	0.9884
3.1277	1.0001	0.3591	2.9814	0.9980	0.9853
4.0625	1.0001	0.3591	2.9875	0.9988	0.9859
4.6018	1.0003	0.3586	2.9911	0.9993	0.9905
5.1351	1.0003	0.3582	2.9939	0.9996	0.9958
5.8510	1.0003	0.3579	2.9961	0.9999	0.9956

DEL = 0.0642 CM
 UE = 630.0 M/SEC
 RUN = 4048

MACH = 3.00 PO = 297.6 KPA TO = 308.2 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 60.
 RPM = 0. PW = 6.70 KPA REL = 7239453.

V/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.5194	0.9194	0.0000	0.0000	0.3571
0.0310	0.5931	0.7694	1.1221	0.5370	0.4875
0.0516	0.9671	0.7398	1.2394	0.5817	0.5154
0.0839	0.9712	0.7001	1.3914	0.6353	0.5484
0.0811	0.5744	0.6697	1.5084	0.6735	0.5756
0.1107	0.9778	0.6328	1.6511	0.7167	0.6305
0.1354	0.9808	0.5963	1.7954	0.7566	0.6564
0.1750	0.9838	0.5615	1.9374	0.7925	0.6783
0.1995	0.9856	0.5386	2.0373	0.8158	0.7044
0.2347	0.9871	0.5187	2.1251	0.8351	0.7327
0.2948	0.9886	0.4986	2.2169	0.8561	0.7621
0.3475	0.9898	0.4825	2.2507	0.8686	0.7548
0.4132	0.9911	0.4639	2.3837	0.8859	0.8212
0.4640	0.9926	0.4424	2.4937	0.9050	0.8520
0.5031	0.9937	0.4263	2.5799	0.9191	0.8785
0.6124	0.9956	0.4105	2.6676	0.9326	0.9059
0.6665	0.9966	0.3977	2.7417	0.9434	0.9288
0.7365	0.9973	0.3828	2.8315	0.9559	0.9454
0.7912	0.9980	0.3715	2.8599	0.9649	0.9558
0.8675	0.9988	0.3605	2.9738	0.9742	0.9654
1.0021	0.9990	0.3440	3.0410	0.9823	0.9705
1.1353	0.9994	0.3410	3.0858	0.9875	0.9715
1.2214	0.9995	0.3395	3.1174	0.9911	0.9729
1.3131	0.9995	0.3387	3.1232	0.9917	0.9751
1.3942	0.9994	0.3380	3.1277	0.9922	0.9783
1.4945	0.9994	0.3377	3.1304	0.9925	0.9755
1.5755	0.9994	0.3372	3.1333	0.9929	0.9812
1.7606	0.9997	0.3367	3.1377	0.9934	0.9865
2.0317	0.9997	0.3357	3.1447	0.9941	0.9905
2.4962	0.9997	0.3365	3.1393	0.9935	0.9986
2.9732	0.9999	0.3351	3.1499	0.9947	0.9941
3.4309	0.9997	0.3328	3.1655	0.9964	0.9972
3.8675	1.0000	0.3314	3.1763	0.9976	0.9951
4.3431	0.9999	0.3295	3.1864	0.9987	0.9941
4.7585	1.0001	0.3290	3.1939	0.9995	0.9972

DEL = 0.2385 DELU = .0316
 THETA = .01433 H = 5.722
 RHOE = 0.2314 KG/M³

DEL = 0.2446 DELU = .0349
 THETA = .01429 H = 5.559
 RHOE = 0.2313 KG/M³

MACH = 3.00 PO = 298.7 KPA TO = 303.2 K DEL = 0.3456 DELU = .0550 DEL** = .1463 CM
 ALPHA = 6.34 Z/D = 5.56 PHI = 120. THETA = .02404 UE = 637.8 M/SEC
 RPH = 0. PW = 6.10 KPA REL = 7527346. RHQ = 0.2177 KG/M**3 RUN = 4010

Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE	Y/DEL	TT/TO	T/TO	P	U/UE	RHO/RHOE
0.0300	0.9190	0.9190	0.0000	0.0000	0.3532	0.0000	0.9194	0.9194	0.0000	0.0000	0.3572
0.0221	0.9557	0.8232	0.8971	0.4454	0.3945	0.0546	0.9681	0.7315	1.2701	0.5939	0.4487
0.0340	0.9596	0.7975	0.0065	0.4919	0.4070	0.0646	0.9702	0.7142	1.3388	0.6183	0.4600
0.0397	0.9669	0.7472	1.2125	0.5734	0.4348	0.0897	0.9733	0.6859	1.4473	0.6550	0.4750
0.1198	0.9744	0.6792	1.4742	0.6646	0.4784	0.1182	0.9766	0.6493	1.5875	0.6991	0.5059
0.1905	0.9786	0.6353	1.6437	0.7166	0.5115	0.1400	0.9786	0.6314	1.6573	0.7197	0.5203
0.2416	0.9819	0.5998	1.7848	0.7560	0.5419	0.1771	0.9806	0.6055	1.7586	0.7480	0.5422
0.2960	0.9843	0.5731	1.8941	0.7842	0.5672	0.2297	0.9828	0.5772	1.8744	0.7783	0.5691
0.3562	0.9866	0.5462	2.0081	0.8115	0.5952	0.2860	0.9849	0.5522	1.9795	0.8038	0.5945
0.4144	0.9887	0.5216	2.1158	0.8356	0.6224	0.3445	0.9870	0.5276	2.0863	0.8281	0.6227
0.4706	0.9907	0.4976	2.2260	0.8585	0.6527	0.3991	0.9887	0.5061	2.1834	0.8488	0.6452
0.5376	0.9929	0.4725	2.3467	0.8818	0.6826	0.4605	0.9906	0.4811	2.3010	0.8721	0.6820
0.5985	0.9943	0.4515	2.4519	0.9006	0.7207	0.5225	0.9922	0.4582	2.4138	0.8928	0.7172
0.6558	0.9961	0.4315	2.5577	0.9183	0.7542	0.5817	0.9936	0.4380	2.5184	0.9107	0.7503
0.7169	0.9972	0.4153	2.6470	0.9323	0.7828	0.6338	0.9946	0.4236	2.5962	0.9232	0.7759
0.7800	0.9989	0.3979	2.7483	0.9472	0.8185	0.6586	0.9958	0.4093	2.7048	0.9397	0.8128
0.8433	1.0002	0.3811	2.8496	0.9612	0.8546	0.7563	0.9970	0.3900	2.7893	0.9517	0.8427
0.9049	1.0010	0.3676	2.9354	0.9723	0.8862	0.8070	0.9977	0.3789	2.8574	0.9610	0.8674
0.9534	1.0026	0.3485	3.0632	0.9878	0.9250	0.8831	0.9985	0.3652	2.9446	0.9780	0.9179
1.0002	1.0033	0.3430	3.1027	0.9924	0.9505	0.9977	0.9995	0.3497	3.0484	0.9848	0.9400
1.0521	1.0037	0.3386	3.1327	0.9957	0.9624	1.0577	0.9998	0.3447	3.0823	0.9888	0.9534
1.1040	1.0040	0.3372	3.1445	0.9971	0.9671	1.1125	1.0002	0.3420	3.1018	0.9910	0.9611
1.1519	1.0043	0.3362	3.1518	0.9979	0.9700	1.1766	1.0005	0.3404	3.1135	0.9923	0.9658
1.2029	1.0047	0.3359	3.1553	0.9982	0.9714	1.2390	1.0005	0.3395	3.1199	0.9930	0.9684
1.2568	1.0047	0.3349	3.1623	0.9990	0.9742	1.2942	1.0006	0.3389	3.1241	0.9935	0.9701
1.3151	1.0051	0.3345	3.1661	0.9994	0.9758	1.3485	1.0010	0.3380	3.1305	0.9942	0.9727
1.3703	1.0052	0.3341	3.1694	0.9998	0.9771	1.4010	1.0011	0.3373	3.1367	0.9949	0.9752
1.4260	1.0055	0.3336	3.1734	1.0002	0.9788	1.4548	1.0011	0.3362	3.1442	0.9957	0.9782
1.4833	1.0055	0.3330	3.1776	1.0006	0.9805	1.5078	1.0011	0.3353	3.1509	0.9965	0.9805
1.5416	1.0057	0.3327	3.1801	1.0009	0.9815	1.5608	1.0016	0.3340	3.1614	0.9976	0.9852
1.6000	1.0059	0.3324	3.1831	1.0012	0.9827	1.6138	1.0016	0.3328	3.1697	0.9985	0.9886
1.6583	1.0063	0.3320	3.1866	1.0016	0.9841	1.6668	1.0017	0.3317	3.1781	0.9994	0.9920
1.7166	1.0065	0.3316	3.1904	1.0020	0.9857	1.7198	1.0020	0.3307	3.1861	1.0003	0.9953
1.7749	1.0068	0.3311	3.1942	1.0024	0.9872	1.7728	1.0027	0.3300	3.1938	1.0010	0.9980
1.8332	1.0070	0.3308	3.1970	1.0027	0.9884	1.8258	1.0032	0.3293	3.2015	1.0017	0.9997
1.8915	1.0075	0.3303	3.2018	1.0032	0.9903	1.8788	1.0037	0.3286	3.2092	1.0024	0.9999

MACH = 3.00 PO = 298.6 KPA TO = 304.0 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 150.
 RPM = 0. PW = 6.89 KPA REL = 7429757.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9209	0.9205	0.0000	0.0000	0.3700
0.0010	0.9503	0.8641	0.7061	0.3626	0.3943
0.0331	0.9573	0.8255	0.4477	0.4127	0.4127
0.0735	0.9641	0.7773	0.0960	0.5337	0.4384
0.1072	0.9666	0.7567	1.0176	0.5658	0.4504
0.1371	0.9687	0.7402	1.2424	0.5904	0.4605
0.1703	0.9707	0.7236	1.3067	0.6139	0.4712
0.2026	0.9722	0.7077	1.3670	0.6351	0.4817
0.2402	0.9743	0.6891	1.4385	0.6595	0.4948
0.2752	0.9760	0.6734	1.4590	0.6792	0.5064
0.3104	0.9775	0.6573	1.5608	0.6988	0.5168
0.3442	0.9792	0.6414	1.6228	0.7176	0.5318
0.3791	0.9806	0.6247	1.6878	0.7366	0.5460
0.4141	0.9821	0.6077	1.7551	0.7555	0.5612
0.4438	0.9837	0.5906	1.8244	0.7741	0.5776
0.4842	0.9855	0.5691	1.9126	0.7966	0.5954
0.5206	0.9868	0.5517	1.9860	0.8144	0.6184
0.5570	0.9885	0.5321	2.0711	0.8340	0.6412
0.5881	0.9899	0.5159	2.1433	0.8498	0.6614
0.6230	0.9914	0.4951	2.2390	0.8696	0.6852
0.6643	0.9928	0.4790	2.3158	0.8847	0.7126
0.7020	0.9941	0.4625	2.3951	0.8994	0.7374
0.7368	0.9953	0.4446	2.4686	0.9158	0.7678
0.7746	0.9965	0.4301	2.5463	0.9287	0.7940
0.8127	0.9975	0.4171	2.6376	0.9400	0.8187
0.8495	0.9984	0.4047	2.7083	0.9507	0.8425
0.8874	0.9991	0.3936	2.7736	0.9601	0.8677
0.9200	0.9999	0.3836	2.8341	0.9685	0.8904
0.9615	1.0005	0.3737	2.8957	0.9768	0.9139
0.9961	1.0013	0.3647	2.9544	0.9843	0.9368
1.0376	1.0021	0.3512	3.0440	0.9953	0.9727
1.1422	1.0026	0.3468	3.0746	0.9989	0.9852
1.2803	1.0031	0.3448	3.0890	1.0006	0.9914
1.3364	1.0031	0.3448	3.0894	1.0006	0.9912
1.5034	1.0035	0.3444	3.0933	1.0010	0.9925
1.6825	1.0037	0.3437	3.0982	1.0016	0.9949
1.8458	1.0039	0.3436	3.0999	1.0018	0.9956

DEL = 0.6037 DELL = 0.1345 DEL** = 0.2906 CM
 THETA = 0.04913 H = 5.914 UE = 631.5 M/SEC
 RHOE = 0.2338 KG/M**3 RUN = 4015

MACH = 3.00 PO = 298.2 KPA TO = 305.0 K
 ALPHA = 6.34 Z/D = 5.56 PHI = 170.
 RPM = 20000. PW = 7.18 KPA REL = 7388083.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9211	0.9211	0.0000	0.0000	0.3716
0.0093	0.9253	0.8394	0.8308	0.4221	0.4078
0.0182	0.9590	0.8160	0.9363	0.4690	0.4155
0.0293	0.9659	0.7664	1.1408	0.5538	0.4467
0.0523	0.9712	0.7237	1.3077	0.6167	0.4733
0.0758	0.9738	0.6982	1.4048	0.6508	0.4905
0.1002	0.9760	0.6767	1.4869	0.6781	0.5061
0.1242	0.9776	0.6616	1.5455	0.6968	0.5178
0.1423	0.9788	0.6481	1.5975	0.7129	0.5286
0.1716	0.9807	0.6317	1.6619	0.7321	0.5424
0.1967	0.9819	0.6177	1.7170	0.7479	0.5548
0.2220	0.9829	0.6056	1.7649	0.7612	0.5658
0.2482	0.9839	0.5935	1.8137	0.7744	0.5774
0.2701	0.9851	0.5837	1.8543	0.7850	0.5872
0.2951	0.9861	0.5722	1.9018	0.7971	0.5951
0.3199	0.9868	0.5623	1.9430	0.8073	0.6056
0.3487	0.9877	0.5513	1.9894	0.8185	0.6218
0.3705	0.9884	0.5422	2.0286	0.8277	0.6323
0.4009	0.9894	0.5318	2.0743	0.8381	0.6448
0.4260	0.9902	0.5232	2.1124	0.8466	0.6554
0.4495	0.9909	0.5146	2.1513	0.8550	0.6664
0.4778	0.9919	0.5058	2.1921	0.8636	0.6782
0.5022	0.9923	0.4972	2.2311	0.8716	0.6897
0.5321	0.9931	0.4887	2.2716	0.8797	0.7019
0.5582	0.9937	0.4807	2.3101	0.8872	0.7137
0.5843	0.9942	0.4728	2.3482	0.8944	0.7256
0.6121	0.9951	0.4655	2.3853	0.9013	0.7373
0.6365	0.9958	0.4580	2.4229	0.9081	0.7494
0.6633	0.9963	0.4506	2.4605	0.9147	0.7617
0.6897	0.9968	0.4429	2.5005	0.9216	0.7745
0.7164	0.9975	0.4357	2.5390	0.9280	0.7879
0.7436	0.9981	0.4290	2.5755	0.9340	0.8004
0.7725	0.9988	0.4217	2.6160	0.9404	0.8144
0.7975	0.9994	0.4154	2.6514	0.9460	0.8269
0.8281	1.0001	0.4079	2.6943	0.9525	0.8423
0.8534	1.0003	0.4016	2.7300	0.9577	0.8552
0.8810	1.0009	0.3959	2.7640	0.9627	0.8677
0.9077	1.0013	0.3893	2.8038	0.9683	0.8826
0.9326	1.0020	0.3840	2.8368	0.9728	0.8950
0.9620	1.0027	0.3782	2.8736	0.9778	0.9091
0.9866	1.0034	0.3727	2.9090	0.9824	0.9228

DEL = 0.8241 DELU = 0.1446 DEL* = 3430 CM
 THETA = 0.6107 H = 5.616 UE = 633.1 M/SEC
 RHOE = 0.2409 KG/M**3 RUN = 4024

MACH = 3.00 ALPHA = 6.34 RPM = 20000				PO = 298.3 KPA Z/O = 5.56 PW = 7.19 KPA				TO = 307.6 K PHI = 190. REL = 7284635.				PO = 298.3 KPA Z/O = 5.56 PW = 7.19 KPA				TO = 306.8 K PHI = 190. REL = 7351412.			
Y/DEL	T/T/O	T/T/O	M	U/UE	RHO/RHOE	Y/DEL	T/T/O	T/T/O	M	U/UE	RHO/RHOE	Y/DEL	T/T/O	T/T/O	M	U/UE	RHO/RHOE		
0.0000	0.9215	0.9215	0.0000	0.0000	0.3749	0.0000	0.9213	0.9213	0.0000	0.0000	0.2735	0.0000	0.9213	0.9213	0.0000	0.0000	0.2735		
0.0252	0.9648	0.7725	1.1157	0.5424	0.4472	0.0092	0.9542	0.8461	0.7592	0.4075	0.4072	0.0185	0.9613	0.8001	1.0034	0.4975	0.4306		
0.0367	0.9688	0.7384	1.2490	0.5937	0.4678	0.0397	0.9678	0.8001	1.0034	0.4975	0.4306	0.0639	0.9713	0.7194	1.3234	0.6221	0.4751		
0.0610	0.9725	0.7020	1.3890	0.6437	0.4922	0.0875	0.9734	0.6992	1.3980	0.6481	0.4925	0.1113	0.9751	0.6824	1.4645	0.6704	0.5050		
0.0854	0.9751	0.6777	1.4813	0.6745	0.5057	0.1305	0.9767	0.6693	1.5155	0.6870	0.5151	0.1615	0.9779	0.6530	1.5771	0.7063	0.5278		
0.1086	0.9769	0.6582	1.5539	0.6976	0.5244	0.1851	0.9794	0.6275	1.6771	0.7361	0.5494	0.2081	0.9805	0.6275	1.6771	0.7361	0.5494		
0.1327	0.9787	0.6435	1.6136	0.7159	0.5370	0.2342	0.9817	0.6155	1.7233	0.7493	0.5555	0.2597	0.9828	0.6048	1.7679	0.7617	0.5703		
0.1793	0.9807	0.6176	1.7145	0.7453	0.5594	0.2805	0.9836	0.5960	1.8032	0.7712	0.5787	0.3358	0.9855	0.5727	1.8984	0.7959	0.6022		
0.2264	0.9825	0.5946	1.8061	0.7703	0.5810	0.3887	0.9872	0.5533	1.9801	0.8159	0.6234	0.4387	0.9888	0.5349	2.0596	0.8344	0.6450		
0.2750	0.9846	0.5725	1.8555	0.7935	0.6022	0.4912	0.9904	0.5152	2.1471	0.8536	0.6657	0.5423	0.9918	0.4968	2.2320	0.8713	0.6946		
0.3271	0.9862	0.5527	1.9804	0.8142	0.6252	0.5960	0.9931	0.4786	2.3182	0.8883	0.7210	0.6436	0.9947	0.4610	2.4058	0.9045	0.7428		
0.3795	0.9875	0.5354	2.0549	0.8315	0.6454	0.7006	0.9960	0.4443	2.4515	0.9196	0.7770	0.7006	0.9960	0.4443	2.4515	0.9196	0.7770		
0.4305	0.9887	0.5197	2.1241	0.8469	0.6645	0.7574	0.9972	0.4285	2.5763	0.9336	0.8060	0.7574	0.9972	0.4285	2.5763	0.9336	0.8060		
0.4795	0.9898	0.5054	2.1890	0.8607	0.6827	0.8104	0.9982	0.4136	2.6583	0.9465	0.8345	0.8104	0.9982	0.4136	2.6583	0.9465	0.8345		
0.5286	0.9908	0.4910	2.2560	0.8743	0.7038	0.8615	0.9994	0.4010	2.7317	0.9575	0.8615	0.8615	0.9994	0.4010	2.7317	0.9575	0.8615		
0.5819	0.9921	0.4757	2.3297	0.8886	0.7266	0.9146	1.0006	0.3882	2.8084	0.9684	0.8902	0.9146	1.0006	0.3882	2.8084	0.9684	0.8902		
0.6355	0.9930	0.4601	2.4062	0.9027	0.7510	0.9692	1.0016	0.3752	2.8890	0.9793	0.912	0.9692	1.0016	0.3752	2.8890	0.9793	0.912		
0.6840	0.9941	0.4456	2.4810	0.9158	0.7757	1.0254	1.0025	0.3630	2.9679	0.9895	0.9223	1.0254	1.0025	0.3630	2.9679	0.9895	0.9223		
0.7362	0.9951	0.4317	2.5545	0.9281	0.8007	1.0735	1.0030	0.3549	3.0215	0.9961	0.940	1.0735	1.0030	0.3549	3.0215	0.9961	0.940		
0.7928	0.9961	0.4158	2.6419	0.9420	0.8313	1.1280	1.0035	0.3498	3.0566	1.0003	0.9884	1.1280	1.0035	0.3498	3.0566	1.0003	0.9884		
0.8434	0.9972	0.4027	2.7171	0.9533	0.8585	1.1822	1.0038	0.3481	3.0688	1.0017	0.9924	1.1822	1.0038	0.3481	3.0688	1.0017	0.9924		
0.8921	0.9980	0.3903	2.7900	0.9638	0.8857	1.2371	1.0040	0.3477	3.0721	1.0021	0.9948	1.2371	1.0040	0.3477	3.0721	1.0021	0.9948		
0.9454	0.9988	0.3771	2.8711	0.9749	0.9167	1.2805	1.0044	0.3476	3.0736	1.0023	0.9955	1.2805	1.0044	0.3476	3.0736	1.0023	0.9955		
0.9987	0.9995	0.3652	2.9472	0.9848	0.9466	1.4162	1.0046	0.3477	3.0736	1.0023	0.9955	1.4162	1.0046	0.3477	3.0736	1.0023	0.9955		
1.0480	1.0003	0.3555	3.0089	0.9925	0.9715	CEL = 0.8246	DEL = 0.1407	CEL = 0.8246	DEL = 0.1407	CEL = 0.8246	DEL = 0.1407	CEL = 0.8246	DEL = 0.1407	CEL = 0.8246	DEL = 0.1407	CEL = 0.8246	DEL = 0.1407		
1.1020	1.0007	0.3495	3.0492	0.9973	0.9880	THETA = 0.6230	M = 5.520	THETA = 0.6230	M = 5.520	THETA = 0.6230	M = 5.520	THETA = 0.6230	M = 5.520	THETA = 0.6230	M = 5.520	THETA = 0.6230	M = 5.520		
1.1541	1.0006	0.3476	3.0650	0.9992	0.9946	RHOE = 0.2402	KG/M**3	RHOE = 0.2402	KG/M**3	RHOE = 0.2402	KG/M**3	RHOE = 0.2402	KG/M**3	RHOE = 0.2402	KG/M**3	RHOE = 0.2402	KG/M**3		
1.2054	1.0009	0.3465	3.0702	0.9999	0.9972														
1.2541	1.0009	0.3467	3.0714	0.9999	0.9972														
1.3818	1.0009	0.3464	3.0738	1.0002	0.9982														

MACH = 3.00		PO = 298.4 KPA		TO = 305.5 K	
ALPHA = 5.34		Z/D = 5.56		PHI = 210.	
RPM = 0.		PW = 6.89 KPA		REL = 7374564.	
Y/DEL		TT/TO	T/TO	U/U	RHO/RHOE
0.3000	0.5207	0.0000	0.9207	0.0000	0.3687
0.0124	0.5505	0.7200	0.8612	0.3685	0.3924
0.0217	0.5938	0.8003	0.8452	0.4058	0.4008
0.0520	0.9624	0.1049	0.5137	0.4256	0.4428
0.0874	0.6656	0.1436	0.5516	0.4428	0.4428
0.1182	0.9675	0.2092	0.5768	0.4528	0.4625
0.1493	0.9693	0.7328	0.5995	0.4625	0.4742
0.1894	0.9713	0.7147	0.6245	0.4742	0.4832
0.2130	0.9727	0.7014	0.6421	0.4832	0.4962
0.2496	0.9745	0.6830	0.6556	0.4962	0.5068
0.2895	0.9761	0.6688	0.6683	0.5068	0.5159
0.3177	0.9778	0.6521	0.6734	0.5159	0.5242
0.3542	0.9794	0.6347	0.6777	0.5242	0.5346
0.3883	0.9810	0.6184	0.6721	0.5346	0.5463
0.4205	0.9820	0.6040	0.6758	0.5463	0.5566
0.4516	0.9834	0.5880	0.6750	0.5566	0.5666
0.4921	0.9851	0.5695	0.6745	0.5666	0.5766
0.5133	0.9863	0.5540	0.6733	0.5766	0.5853
0.5622	0.9879	0.5338	0.6723	0.5853	0.5935
0.5947	0.9891	0.5167	0.6710	0.5935	0.6004
0.6283	0.9905	0.4983	0.6697	0.6004	0.6066
0.6639	0.9919	0.4815	0.6680	0.6066	0.6114
0.7018	0.9931	0.4644	0.6661	0.6114	0.6154
0.7346	0.9944	0.4477	0.6641	0.6154	0.6184
0.7706	0.9955	0.4324	0.6624	0.6184	0.6204
0.8057	0.9964	0.4181	0.6609	0.6204	0.6224
0.8420	0.9974	0.4062	0.6593	0.6224	0.6244
0.8794	0.9984	0.3938	0.6579	0.6244	0.6264
0.9161	0.9991	0.3827	0.6567	0.6264	0.6284
0.9480	0.9999	0.3725	0.6556	0.6284	0.6304
0.9832	1.0006	0.3648	0.6546	0.6304	0.6324
1.0563	1.0016	0.3505	0.6536	0.6324	0.6344
1.0976	1.0019	0.3404	0.6528	0.6344	0.6364
1.1321	1.0018	0.3447	0.6521	0.6364	0.6384
1.1592	1.0019	0.3435	0.6519	0.6384	0.6404
1.1839	1.0023	0.3432	0.6518	0.6404	0.6424
1.2055	1.0023	0.3429	0.6517	0.6424	0.6444
1.2266	1.0025	0.3425	0.6516	0.6444	0.6464

DEL = 0.6164
THETA = 0.5025
RHOE = 3.2331

DELL = 0.1378
H = 5.944
KG/M**3

DEL** = 0.2987 CM
UE = 635.7 M/SEC
RUN = 4044

DEL = 0.6824
THETA = 0.5162
RHOE = 3.2316

DELL = 0.1559
H = 5.927
KG/M**3

DEL** = 0.3415 CM
UE = 637.2 M/SEC
RUN = 4045

MACH = 3.00	PO = 298.3 KPA	TO = 305.5 K
ALPHA = 6.34	Z/D = 5.56	PHI = 330.
RPM = 0.	PW = 8.12 KPA	REL = 7356931.

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9227	0.9227	0.0000	0.0000	0.3862
0.0387	0.9673	0.7584	1.1737	0.5700	0.4696
0.0378	0.9703	0.7355	1.2620	0.6036	0.4841
0.1201	0.9758	0.5800	1.4749	0.6781	0.5238
0.1504	0.9795	0.6398	1.6291	0.7266	0.5567
0.1716	0.9818	0.6122	1.7374	0.7580	0.5818
0.1985	0.9844	0.5806	1.8648	0.7923	0.6134
0.2294	0.9871	0.5490	1.9977	0.8252	0.6485
0.2813	0.9894	0.5182	2.1321	0.8557	0.6874
0.3425	0.9909	0.4975	2.2249	0.8753	0.7155
0.3918	0.9915	0.4885	2.2691	0.8842	0.7293
0.4315	0.9919	0.4810	2.3044	0.8911	0.7405
0.4907	0.9929	0.4686	2.3651	0.9027	0.7602
0.5435	0.9938	0.4563	2.4267	0.9140	0.7807
0.5840	0.9945	0.4451	2.4844	0.9241	0.8004
0.6328	0.9954	0.4325	2.5509	0.9353	0.8237
0.6936	0.9962	0.4227	2.6045	0.9440	0.8425
0.7756	0.9972	0.4071	2.6919	0.9576	0.8751
0.8613	0.9981	0.3928	2.7758	0.9699	0.9071
0.9454	0.9991	0.3802	2.8529	0.9806	0.9373
1.0718	0.9998	0.3692	2.9218	0.9907	0.9651
1.1856	0.9999	0.3638	2.9565	0.9942	0.9752
1.2800	1.0001	0.3616	2.9710	0.9960	0.9853
1.3812	1.0002	0.3604	2.9791	0.9971	0.9886
1.4855	1.0004	0.3600	2.9821	0.9974	0.9899
1.6137	1.0004	0.3596	2.9849	0.9978	0.9910
1.8370	1.0004	0.3592	2.9874	0.9981	0.9921
2.0381	1.0004	0.3592	2.9877	0.9981	0.9922
2.2740	1.0001	0.3612	2.9738	0.9964	0.9864
2.6498	1.0003	0.3601	2.9813	0.9973	0.9895
3.6104	1.0006	0.3595	2.9860	0.9979	0.9915
3.9647	1.0004	0.3585	2.9921	0.9987	0.9941
4.5066	1.0005	0.3577	2.9976	0.9994	0.9963
5.0661	1.0007	0.3573	3.0004	0.9997	0.9975
5.5758	1.0005	0.3569	3.0026	1.0000	0.9984

DEL = 0.1970	DELU = 0.278	DEL* = 0.0669 CM
THETA = 0.01262	H = 5.300	UE = 628.1 M/SEC
RHOE = 0.2616 KG/M**3		RUN = 4015

Y/DEL	TT/TO	T/TO	M	U/UE	RHO/RHOE
0.0000	0.9228	0.9228	0.0000	0.0000	0.3862
0.1275	0.5756	0.6803	1.4731	0.6776	0.5238
0.1575	0.5799	0.6302	1.6472	0.7320	0.5611
0.1880	0.5828	0.6003	1.7849	0.7712	0.5937
0.2181	0.5854	0.5713	1.9038	0.8023	0.6240
0.2483	0.5870	0.5476	2.0031	0.8265	0.6509
0.2755	0.5883	0.5308	2.0761	0.8434	0.6715
0.3301	0.5901	0.5092	2.1729	0.8645	0.7001
0.3697	0.5908	0.4961	2.2331	0.8770	0.7185
0.4365	0.5919	0.4811	2.3038	0.8911	0.7407
0.4825	0.5926	0.4708	2.3542	0.9007	0.7571
0.5290	0.5933	0.4610	2.4028	0.9097	0.7732
0.5721	0.5941	0.4494	2.4618	0.9202	0.7931
0.6341	0.5951	0.4361	2.5318	0.9322	0.8174
0.6870	0.5960	0.4235	2.6000	0.9433	0.8418
0.7368	0.5966	0.4134	2.6556	0.9521	0.8622
0.8531	0.5976	0.3944	2.7651	0.9684	0.9036
0.9524	0.5988	0.3791	2.8588	0.9814	0.9403
1.0422	0.5993	0.3716	2.9059	0.9877	0.9592
1.1613	0.5997	0.3647	2.9503	0.9935	0.9774
1.2548	0.5999	0.3612	2.9693	0.9959	0.9852
1.3776	1.0000	0.3604	2.9788	0.9971	0.9891
1.4952	1.0002	0.3598	2.9832	0.9976	0.9910
1.5852	1.0000	0.3592	2.9849	0.9978	0.9917
1.8154	1.0000	0.3592	2.9865	0.9980	0.9924
2.0323	1.0002	0.3593	2.9865	0.9980	0.9924
2.2521	1.0001	0.3615	2.9721	0.9962	0.9864
2.8258	1.0002	0.3600	2.9818	0.9974	0.9904
3.3809	1.0002	0.3585	2.9893	0.9984	0.9925
3.9265	1.0003	0.3582	2.9940	0.9990	0.9955
4.4632	1.0003	0.3576	2.9979	0.9994	0.9971
5.0142	1.0003	0.3571	3.0009	0.9998	0.9984
5.5222	1.0004	0.3569	3.0026	1.0000	0.9991

CEL = 0.1589	DELU = 0.321	DEL* = 0.0700 CM
THETA = 0.01219	H = 5.746	UE = 628.2 M/SEC
RHOE = 0.2613 KG/M**3		RUN = 4020

Table III. Preston Tube Data

Z/D	$\frac{\text{Dia.}^*}{\text{mm}}$	$\frac{\phi}{\text{deg.}}$	$\frac{p_{t2}}{p_\infty}$ $\alpha = 0$	$\frac{p_w}{p_\infty}$	$\frac{\tau_w}{N/m^2}$	$\frac{c_f}{}$
3.33	1.57	0	4.227	.784	82.6	.00161
		30	4.128	.784	81.2	.00159
		90	4.055	.784	80.3	.00157
	2.39	0	5.144	.784	85.9	.00167
		30	5.167	.784	86.2	.00167
		90	5.123	.784	85.8	.00167
	1.57	0	3.64	.859	74.4	.00146
		30	3.53	.859	72.6	.00141
		60	3.68	.859	74.9	.00147
		90	3.70	.859	75.5	.00147
		0	4.44	.859	78.4	.00153
		30	4.47	.859	79.0	.00154
		60	4.53	.859	79.5	.00155
		90	4.49	.859	79.1	.00154
	2.39	0	4.11	.898	74.4	.00145
		30	4.40	.898	78.1	.00152
		60	4.37	.898	77.7	.00152
		90	4.77	.898	82.9	.00161
		0	4.87	.898	79.1	.00154
		30	5.08	.898	81.5	.00158
		60	5.11	.898	81.8	.00159
		90	4.80	.898	77.7	.00151

* Preston tube diameter

Table III. Continued

Z/D	$\frac{\text{Dia.}^*}{\text{mm}}$	$\frac{\phi}{\text{deg.}}$	$\frac{p_{t2}}{p_\infty}$ $\alpha = 2$	$\frac{p_w}{p_\infty}$	$\frac{\tau_w}{\text{N/m}^2}$	$\frac{c_f}{\text{ }}$
3.33	1.57	0	4.82	.863	91.1	.00178
		30	4.68	.848	89.1	.00174
		90	4.21	.772	82.2	.00160
		150	3.60	.727	73.4	.00143
		180	3.50	.723	72.0	.00141
	2.39	0	5.91	.863	95.2	.00185
		30	5.86	.848	94.4	.00183
		90	5.04	.772	84.7	.00164
		150	4.29	.727	75.5	.00147
		180	4.17	.723	73.9	.00144
4.44	1.57	0	4.33	.902	84.7	.001656
		30	4.11	.890	81.5	.00159
		60	3.90	.863	78.3	.00153
		90	3.74	.838	75.9	.00148
		120	3.35	.827	69.8	.00135
		150	3.20	.827	67.1	.00131
		180	2.96	.830	63.2	.00123
	2.39	0	5.68	.902	93.3	.00181
		30	5.28	.890	88.8	.00173
		60	4.92	.863	84.2	.00164
		90	4.52	.838	79.3	.00154
		120	4.20	.827	75.1	.00147
		150	3.79	.827	69.9	.00136
		180	3.66	.830	68.0	.00133

Table III. Continued

<u>Z/D</u>	<u>Dia. *</u> mm	<u>φ</u> deg.	<u>p_{t2}/p_∞</u> <u>α = 2</u>	<u>p_w/p_∞</u>	<u>τ_w</u> N/m ²	<u>c_f</u>	
5.56	2.39	0	5.25	.919	88.5	.00173	
		30	5.13	.909	87.2	.00170	
		60	4.76	.888	82.5	.00161	
		90	4.71	.874	81.9	.00159	
		120	3.85	.875	70.7	.00138	
		150	3.49	.886	65.6	.00128	
		180	3.33	.893	63.1	.00123	
	3.18	0	6.08	.919	92.4	.00179	
		30	6.03	.909	91.7	.00178	
		60	5.60	.888	86.8	.00169	
		90	5.06	.838	80.3	.00156	
		120	4.47	.875	74.2	.00145	
		150	3.98	.886	68.3	.00133	
		180	4.12	.893	70.1	.00137	
<u>α = 4</u>							
3.33	1.57	0	5.62	.962	102.2	.00199	
		30	5.25	.919	97.1	.00190	
		90	4.16	.736	81.4	.00159	
		150	3.02	.677	64.4	.00125	
		180	3.05	.677	65.0	.00127	
		2.39	0	6.94	.962	107.3	.00208
			30	6.74	.912	104.8	.00203
	90		5.20	.736	85.9	.00167	
	150		3.89	.677	70.2	.00137	
	180		3.64	.677	66.9	.00131	

Table III. Continued .

Z/D	Dia.^* mm	ϕ deg.	$\frac{p_{t2}}{p_\infty}$ $\alpha = 4$	$\frac{p_w}{p_\infty}$	$\frac{\tau_w}{N/m^2}$	$\underline{c_f}$
4.44	1.57	0	5.19	.962	96.6	.00189
		30	4.83	.923	91.7	.00179
		60	4.27	.840	83.6	.00163
		90	3.67	.779	74.8	.00146
		120	3.12	.772	66.0	.00128
		150	2.70	.799	58.7	.00115
		180	2.57	.816	55.8	.00110
	2.39	0	6.35	.962	101.3	.00197
		30	6.03	.923	97.4	.00189
		60	5.39	.840	89.3	.00174
		90	4.56	.779	79.2	.00154
		120	3.77	.772	69.2	.00135
		150	3.27	.799	62.4	.00122
		180	3.03	.816	58.6	.00115
	5.56	0	6.42	.954	101.7	.00198
		30	6.08	.918	97.9	.00190
		60	5.20	.846	87.2	.00170
		90	4.81	.803	82.4	.00160
		120	3.52	.821	65.9	.00129
		150	2.88	.873	55.9	.00109
		180	2.92	.901	56.5	.00110

• Table III. Concluded

Z/D	$\frac{\text{Dia.}^*}{\text{mm}}$	ϕ deg.	$\frac{p_{t2}}{p_\infty}$ $\alpha = 4$	$\frac{p_w}{p_\infty}$	$\frac{\tau_w}{N/m^2}$	c_f
5.56	3.18	0	7.32	.954	104.8	.00205
		30	7.16	.918	102.6	.00201
		60	6.21	.846	92.4	.00181
		90	5.29	.779	82.0	.00159
		120	4.20	.821	70.6	.00138
		150	3.27	.873	58.6	.00114
		180	3.24	.901	58.1	.00113

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